

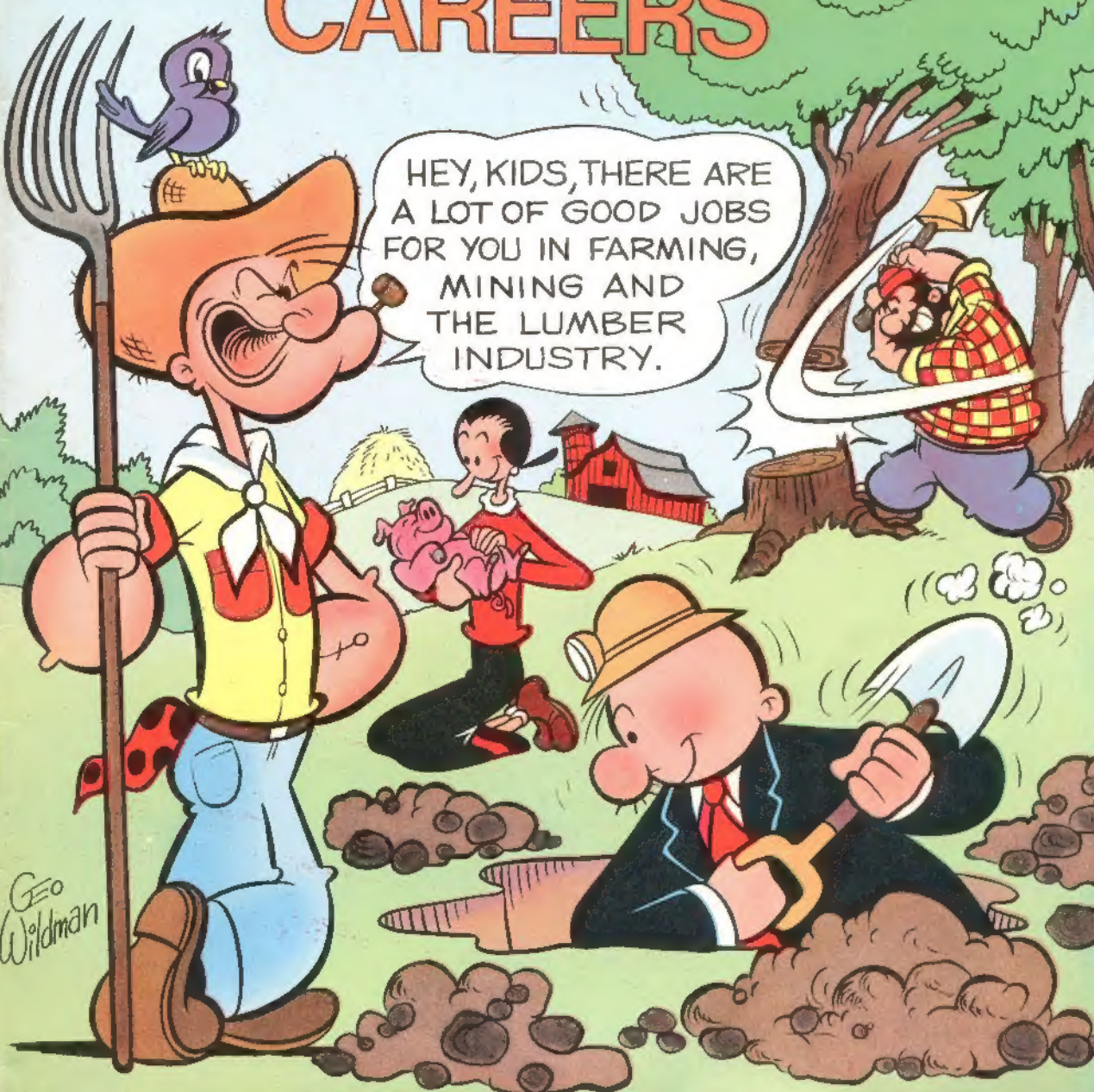
KING


APPROVED
BY THE
COMICS
CODE
AUTHORITY

POPEYE

and

AGRI-BUSINESS- NATURAL RESOURCES CAREERS

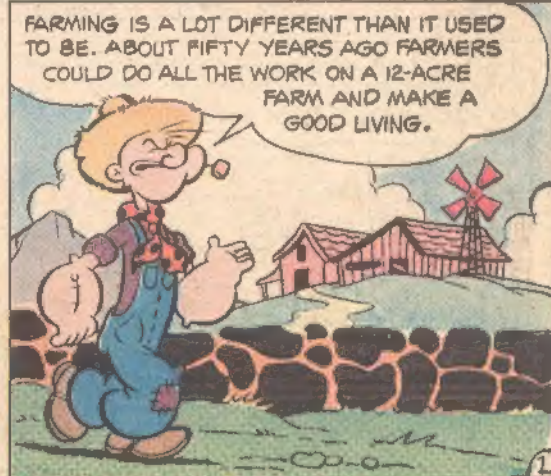
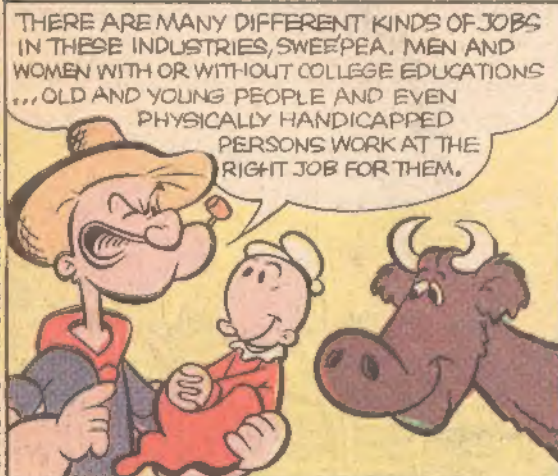
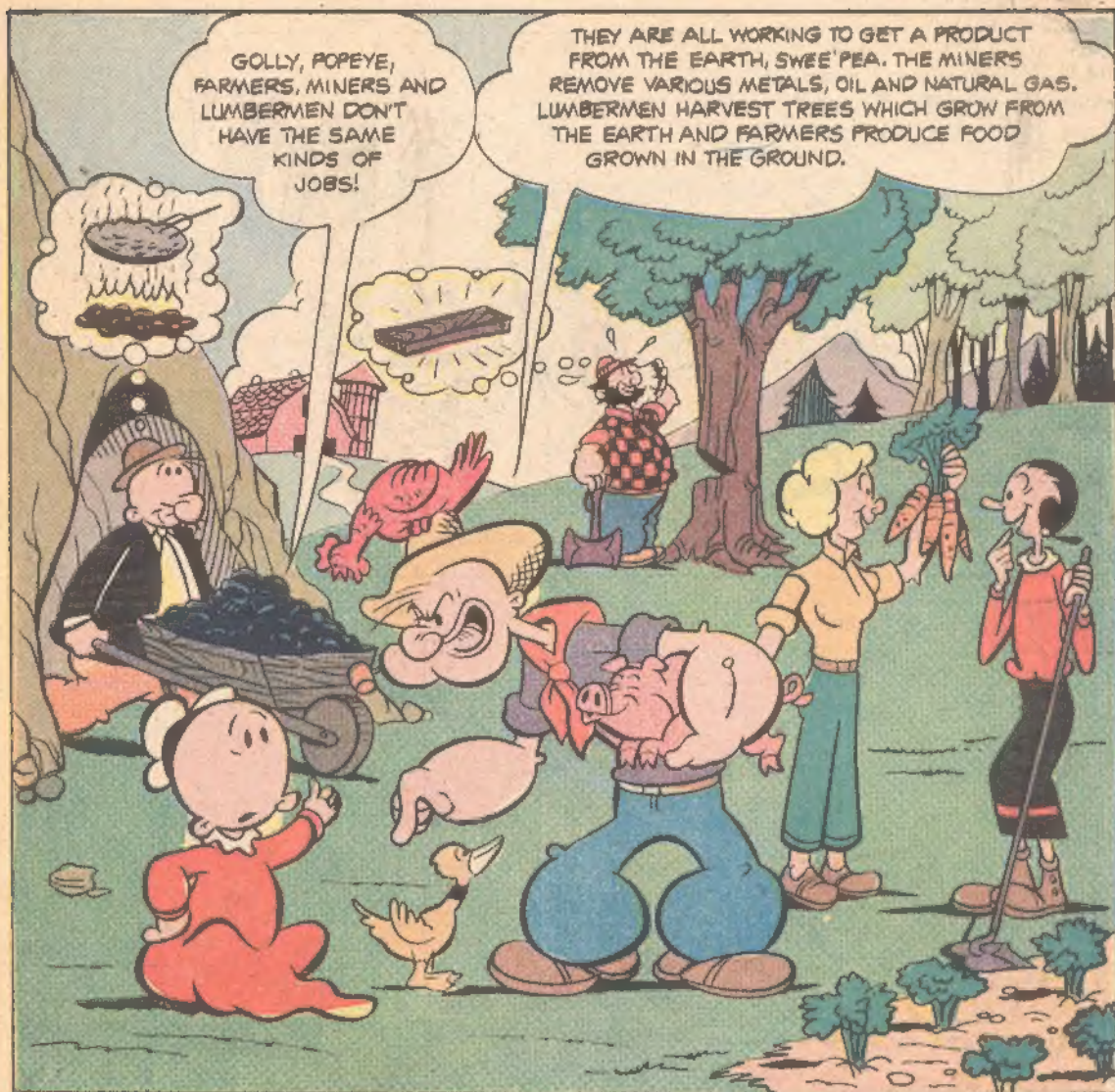




YOU WILL LEARN
ABOUT MINING,
HARVESTING TREES
AND DRILLING
FOR OIL.

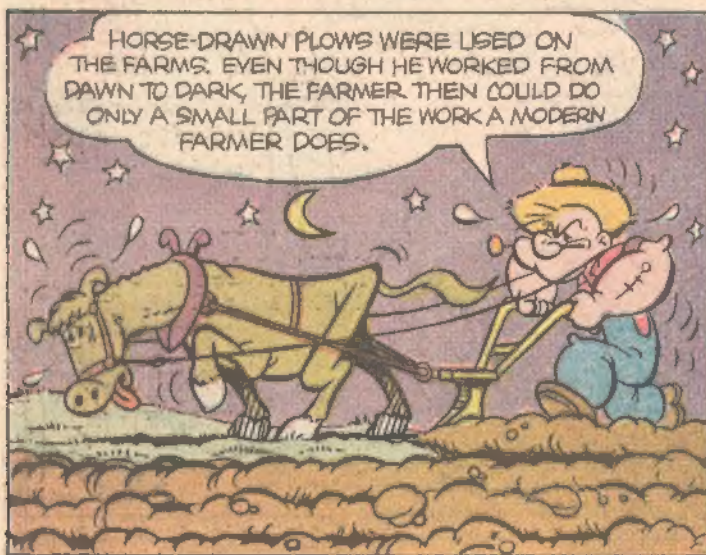
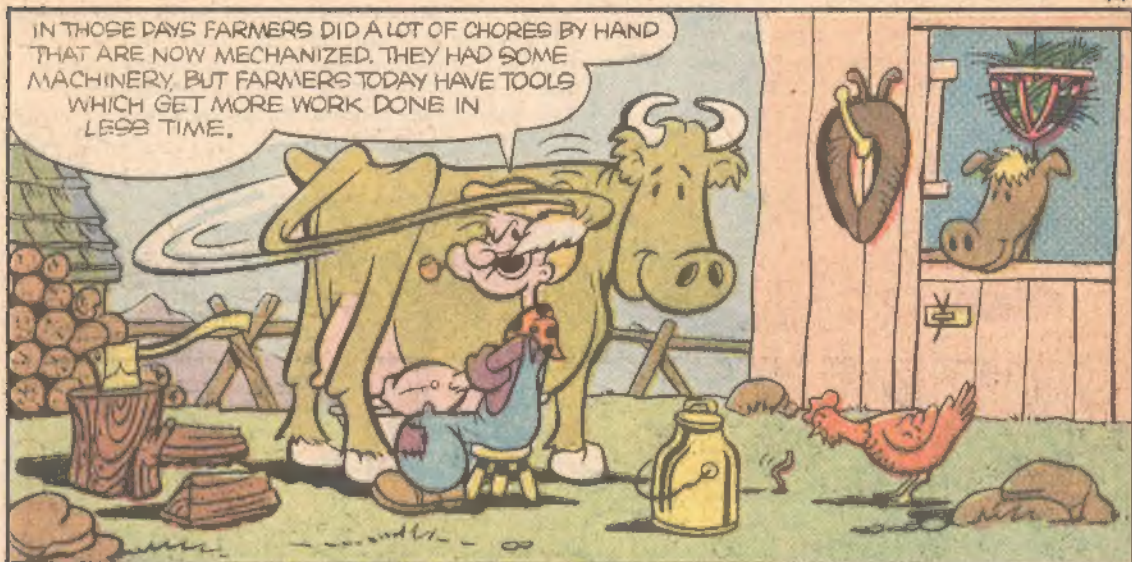
I'M A
MINING
ENGINEER.

I FIX
MACHINERY
IN THIS
COAL
MINE.

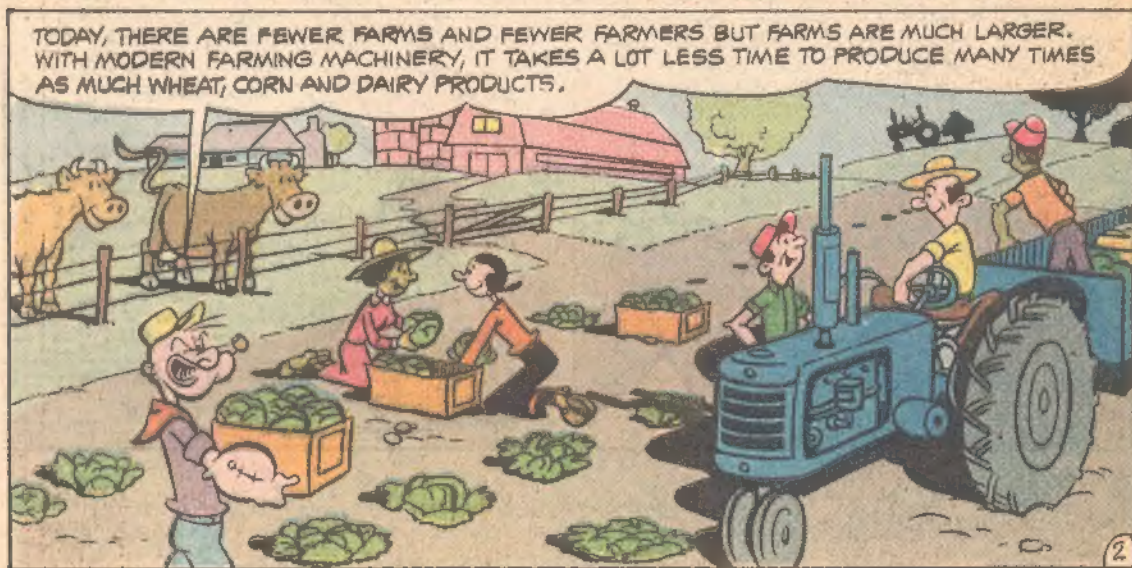
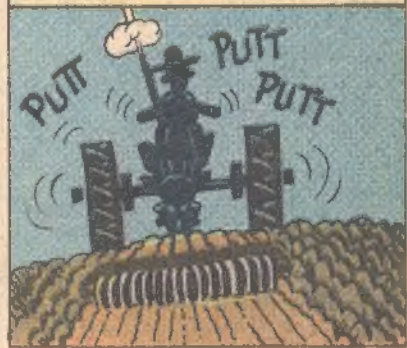


POPEYE E-15

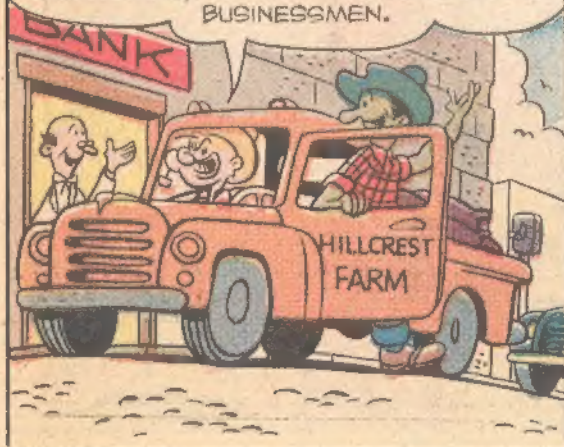
published by King Features, 235 E. 45th Street, New York, N.Y. 10017 ©1972 King Features, World Rights Reserved under International and Pan-American Copyright Conventions. Printed by Charlton Press, Division Street, Derby, Connecticut, 06418. Canadian Distributor — Edu-Media Ltd. P.O. Box 1240, Kitchener, Ontario N2G 4H1.



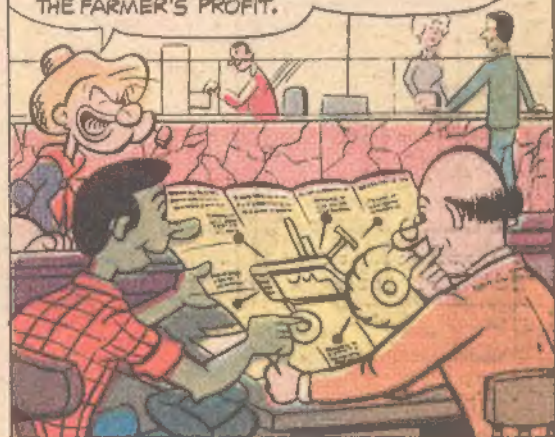
WHEN FARMERS BEGAN USING FARM TRACTORS INSTEAD OF HORSES, THEY COULD PLOW TWO ROWS OR MORE AT A TIME AND THEY WERE ABLE TO WORK BIGGER FARMS.



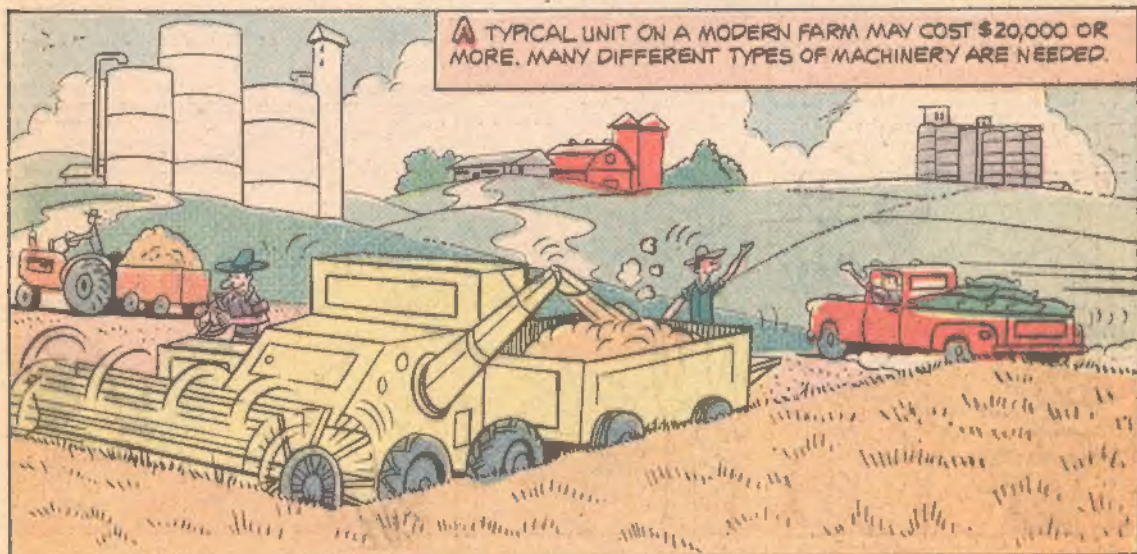
MODERN FARMERS FACE PROBLEMS THEIR FATHERS AND GRANDFATHERS NEVER HAD. THEY MUST KNOW PLANT AND SOIL SCIENCE, ENGINEERING, AND THEY MUST ALSO BE GOOD BUSINESSMEN.



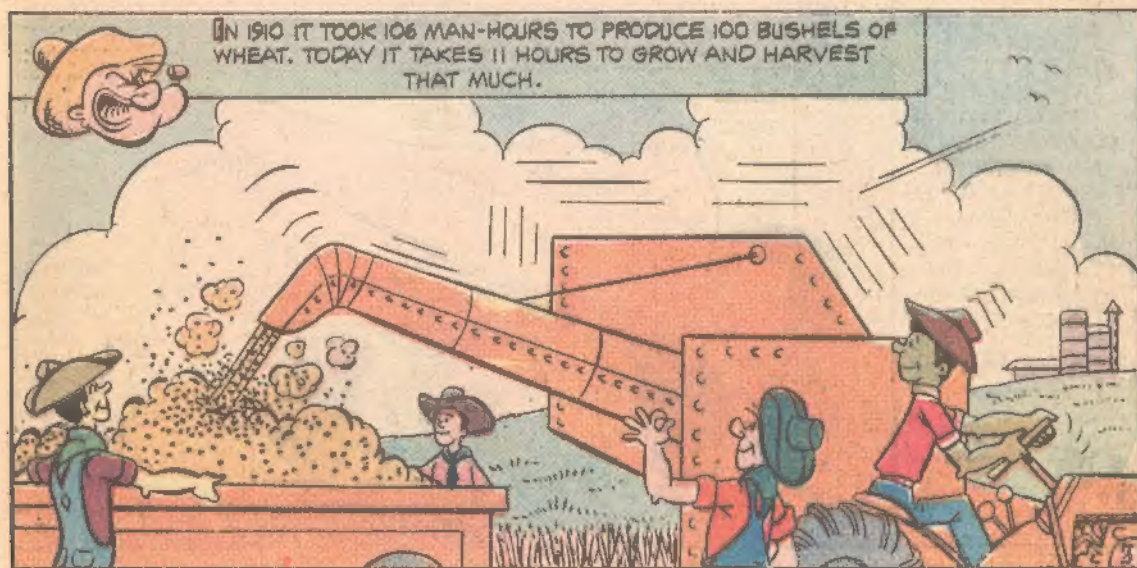
EXPENSIVE AND COMPLICATED FARM MACHINERY IS NEEDED ON BIG, MODERN FARMS. BANKERS WILL LEND MONEY TO PURCHASE THIS EQUIPMENT IF THEY BELIEVE IT WILL INCREASE THE FARMER'S PROFIT.



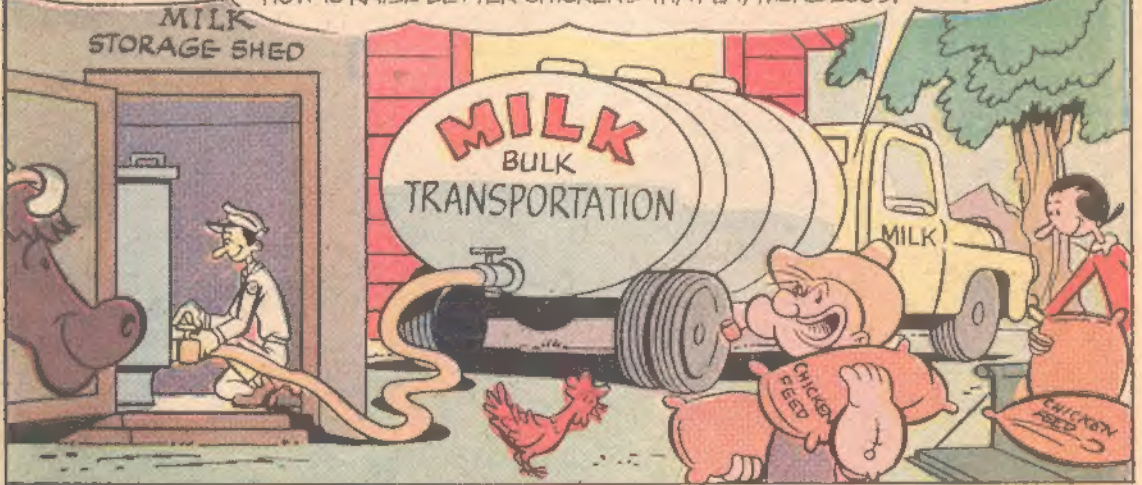
A TYPICAL UNIT ON A MODERN FARM MAY COST \$20,000 OR MORE. MANY DIFFERENT TYPES OF MACHINERY ARE NEEDED.



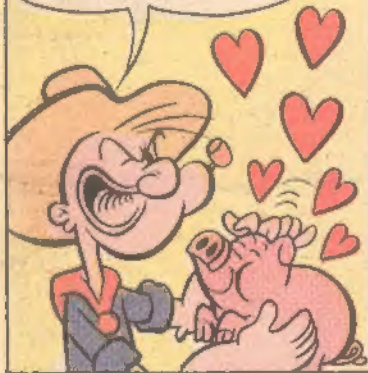
IN 1910 IT TOOK 106 MAN-HOURS TO PRODUCE 100 BUSHEL OF WHEAT. TODAY IT TAKES 11 HOURS TO GROW AND HARVEST THAT MUCH.



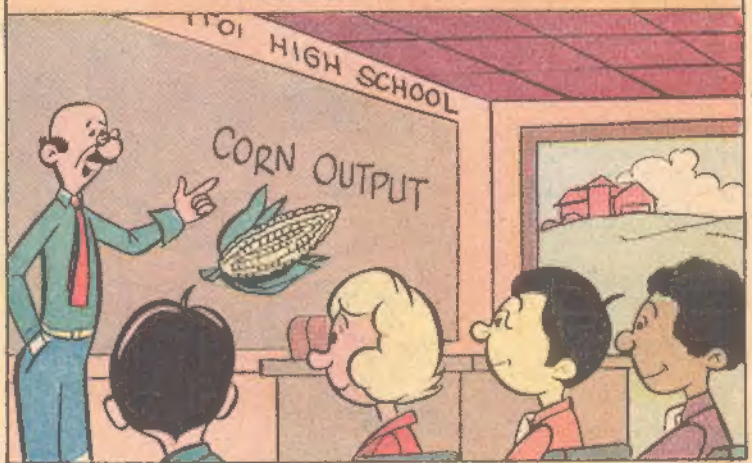
FARMERS HAVE LEARNED BETTER METHODS OF RAISING ALL KINDS OF CROPS. DAIRY FARMERS USE IMPROVED FEED METHODS ON COWS TO INCREASE MILK OUTPUT. POULTRY FARMERS KNOW HOW TO RAISE BETTER CHICKENS THAT LAY MORE EGGS.



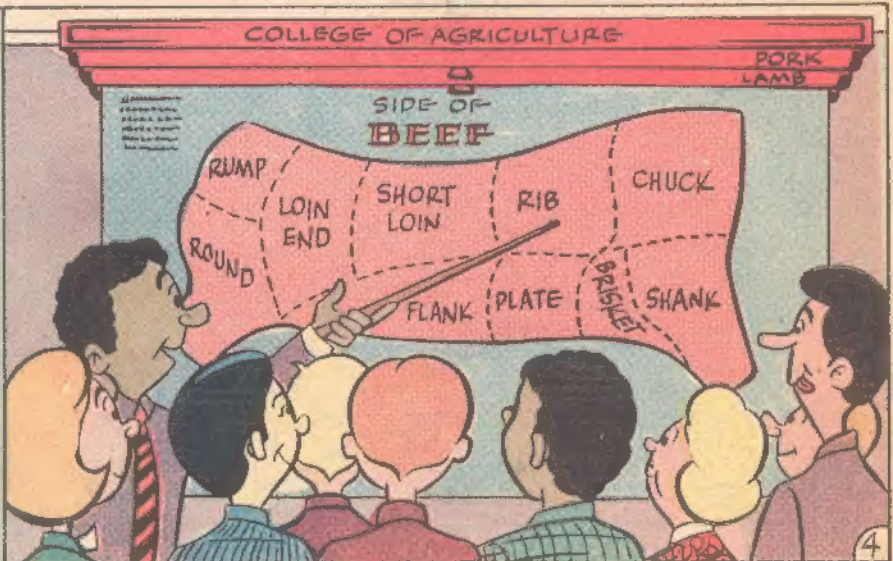
THE BEST START TOWARD HAVING ONE'S OWN FARM IS TO GROW UP ON A FARM OR HAVE FARM WORK EXPERIENCE.



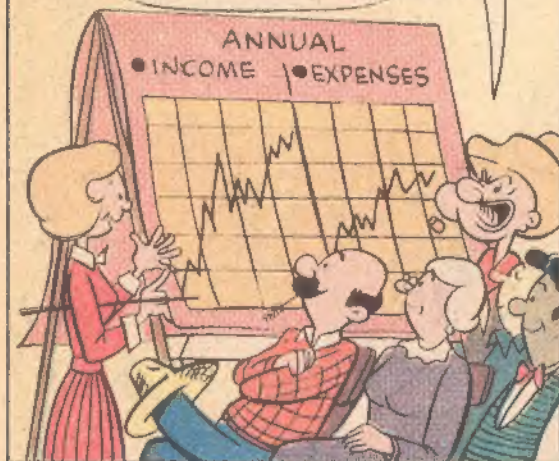
THERE ARE COURSES IN AGRICULTURE IN MANY HIGH SCHOOLS. THE TEACHERS ARE GRADUATES OF STATE AGRICULTURAL COLLEGES.



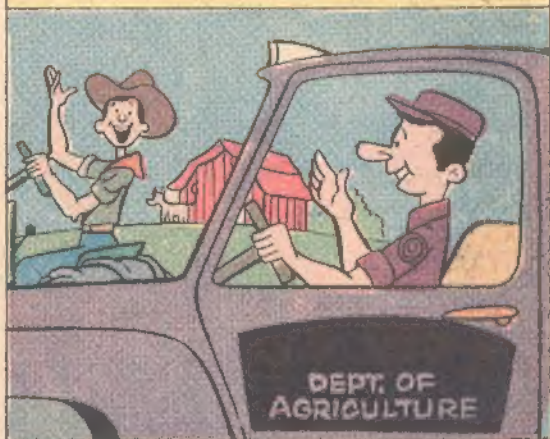
IN SCHOOLS OF AGRICULTURE THERE ARE PRACTICAL COURSES IN FARM MANAGEMENT, FARM STRUCTURES, WELDING, MECHANICS AND MANY OTHER FARM-RELATED SPECIALTIES.



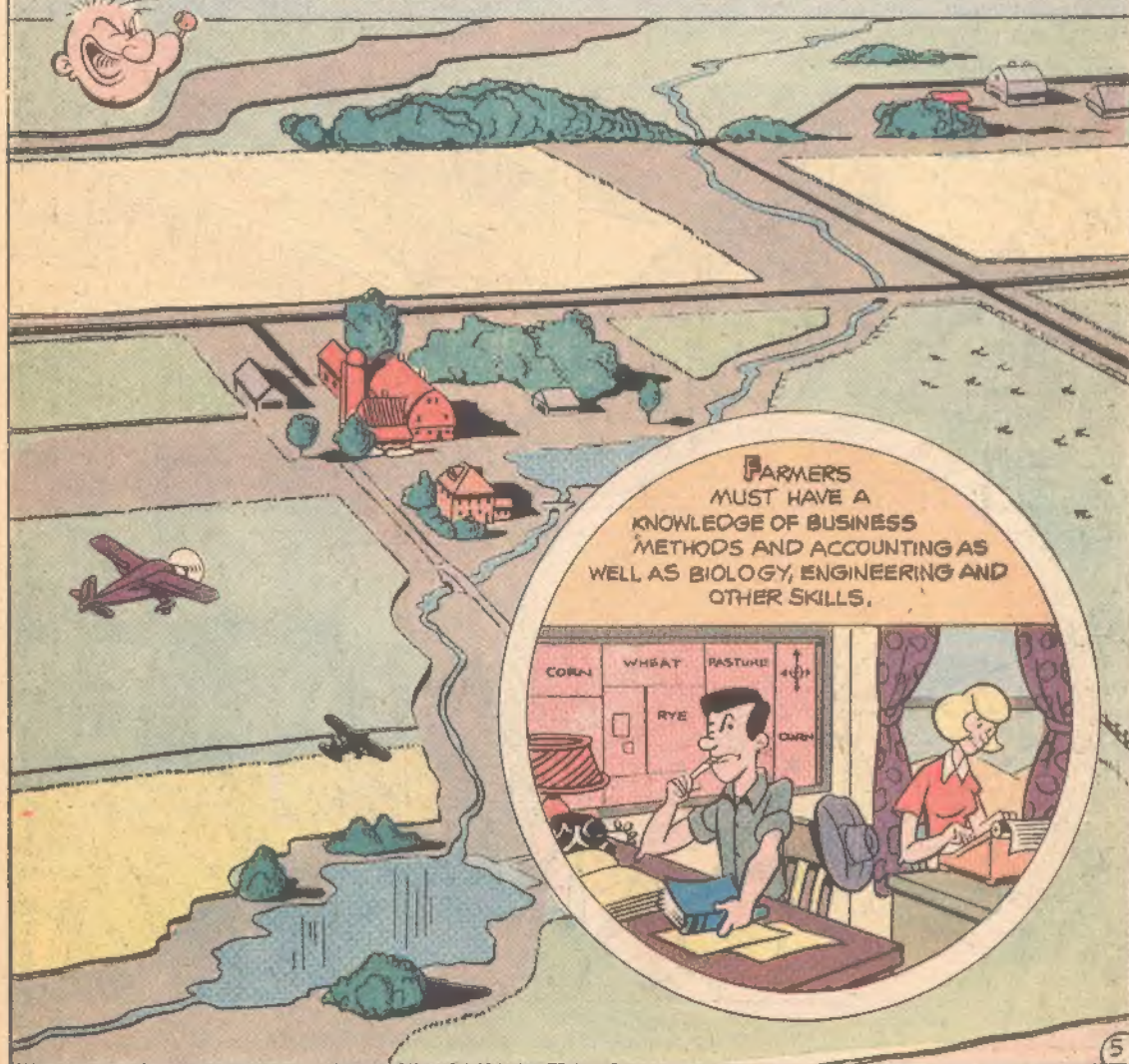
THERE ARE EVENING CLASSES FOR ADULTS. MEN AND WOMEN STUDY FARM-RELATED SUBJECTS.



BESIDES THE COLLEGES THAT TEACH FARMING, THE DEPARTMENT OF AGRICULTURE HAS COUNTY AGENTS CONSTANTLY HELPING FARMERS IN ANY WAY THEY CAN.



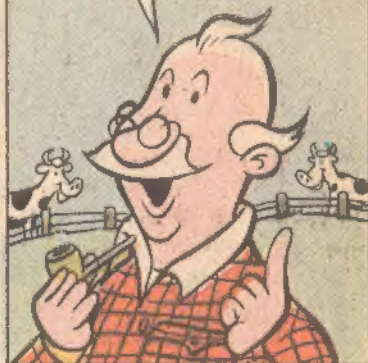
MODERN FARMERS MUST SPEND MUCH OF THEIR TIME KEEPING RECORDS, ANSWERING BUSINESS LETTERS, ARRANGING FOR FINANCE AND SUPERVISING THE WORK OF EMPLOYEES.



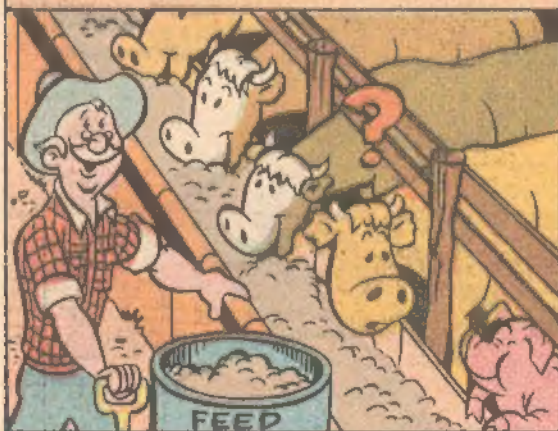
ON MOST FARMS, THE MAJOR PART OF THE WORK IS DONE BY THE FARM OPERATOR AND HIS FAMILY.



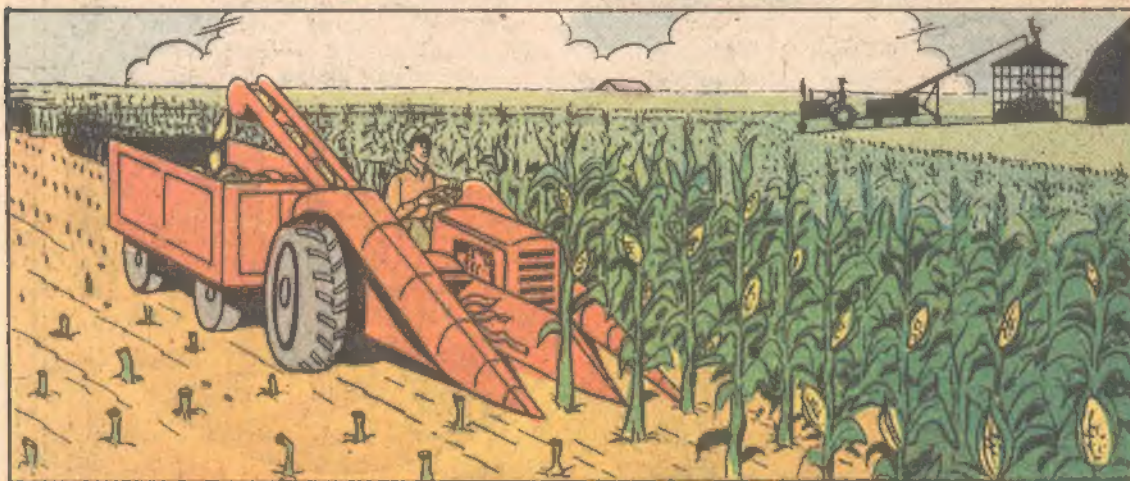
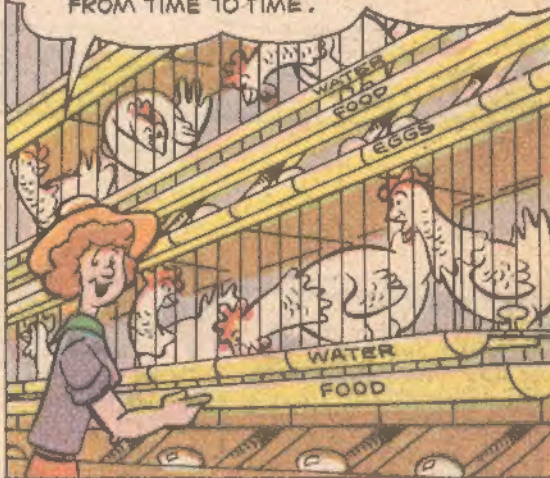
DAIRY FARMERS USE MODERN EQUIPMENT TO MILK COWS AND STORE IT FOR PICK-UP BY THE MILK DEALERS.



LIVESTOCK FARMS ARE GENERALLY RUN BY THE OWNER AND HIS FAMILY. ON SOME RANCHES BOTH HOGS AND CATTLE ARE FATTENED FOR MARKET.

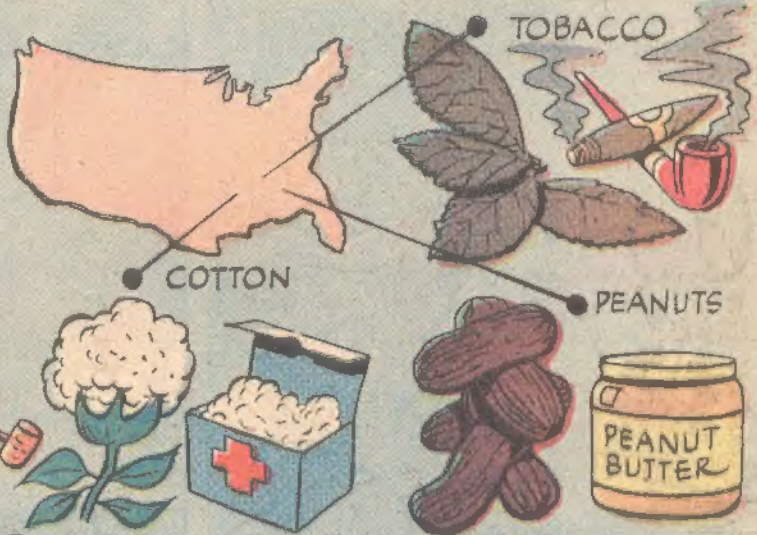


I RAISE CHICKENS FOR THEIR EGGS, BUT I ALSO MARKET A CROP OF BROILING CHICKENS FROM TIME TO TIME.

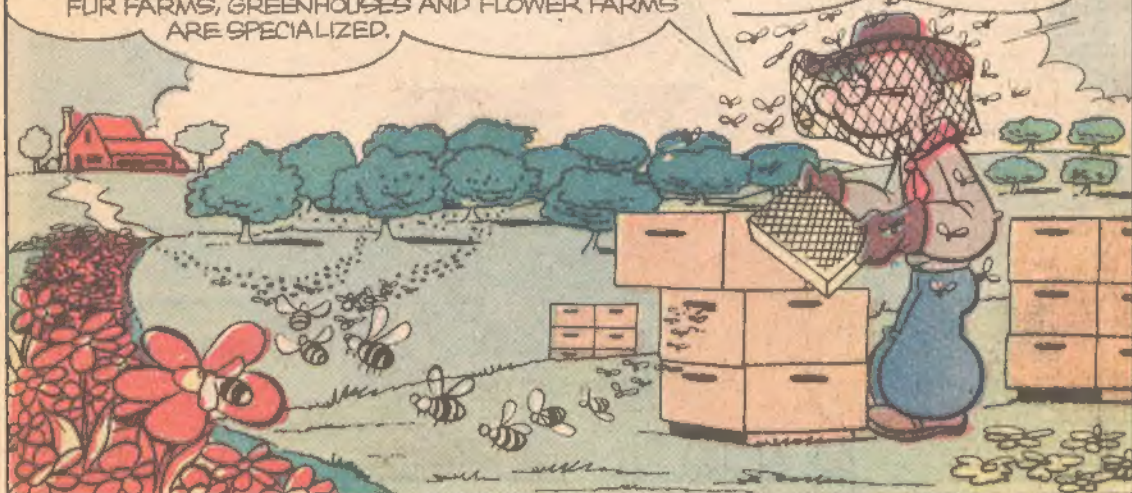


ALL FARMING DOES NOT TIE A FARMER DOWN AS MUCH AS LIVESTOCK OR POULTRY RAISING. SOME FARMERS WORK LONG DAYS WITH LARGE LABORSAVING EQUIPMENT DURING BUSY SEASONS, BUT THERE ARE LONG PERIODS OF TIME WHEN THEY ARE FREE OF WORK.

THERE ARE MANY OTHER KINDS OF FARMING. TOBACCO, COTTON AND PEANUTS ARE THREE KINDS OF CROPS RAISED IN THE SOUTHEASTERN AND SOUTH CENTRAL STATES.



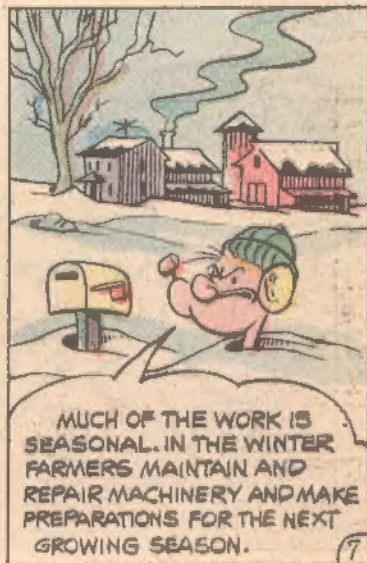
THERE ARE FARMS WHERE BEES ARE RAISED FOR THE HONEY AND WAX THEY MAKE. FUR FARMS, GREENHOUSES AND FLOWER FARMS ARE SPECIALIZED.



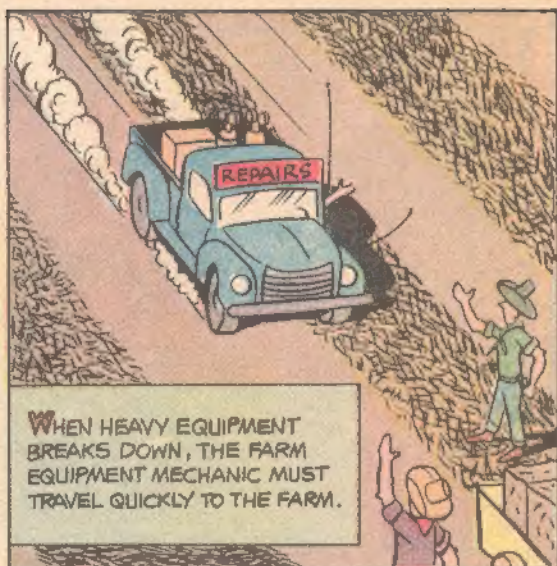
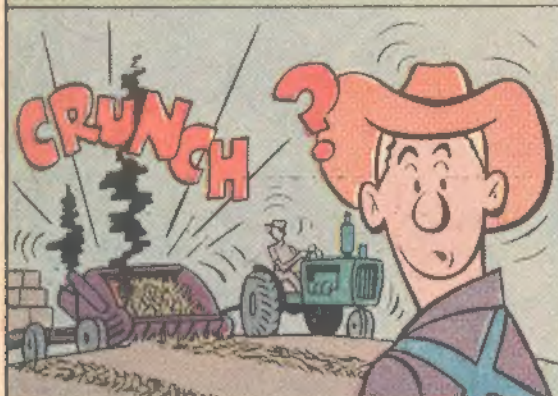
FARM LABORERS WORK LONG HOURS. THE WORK IS OFTEN STRENUOUS AND THEY NEED MANY SKILLS.



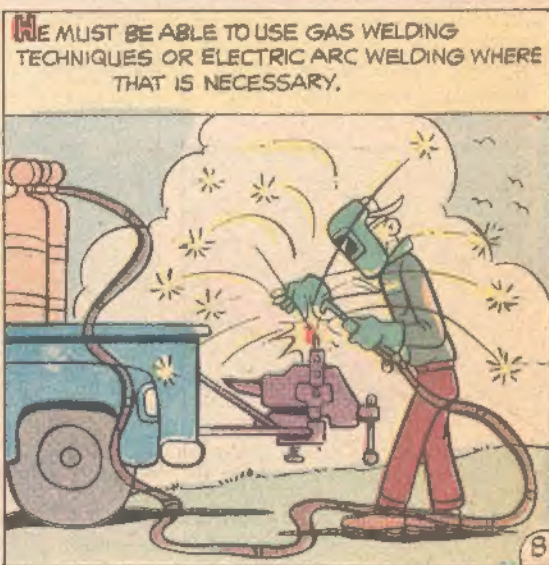
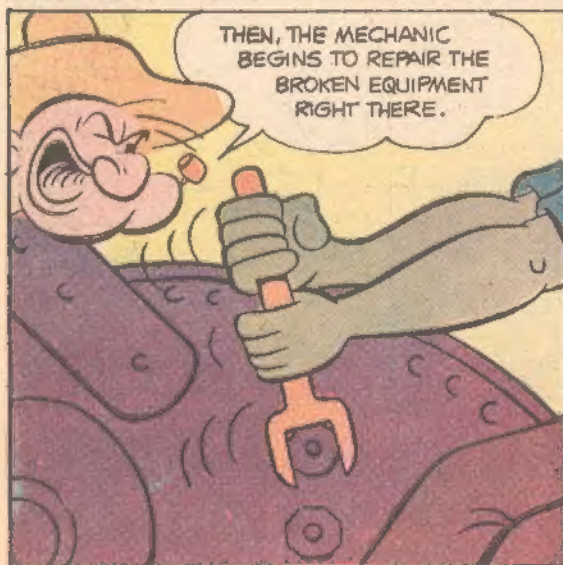
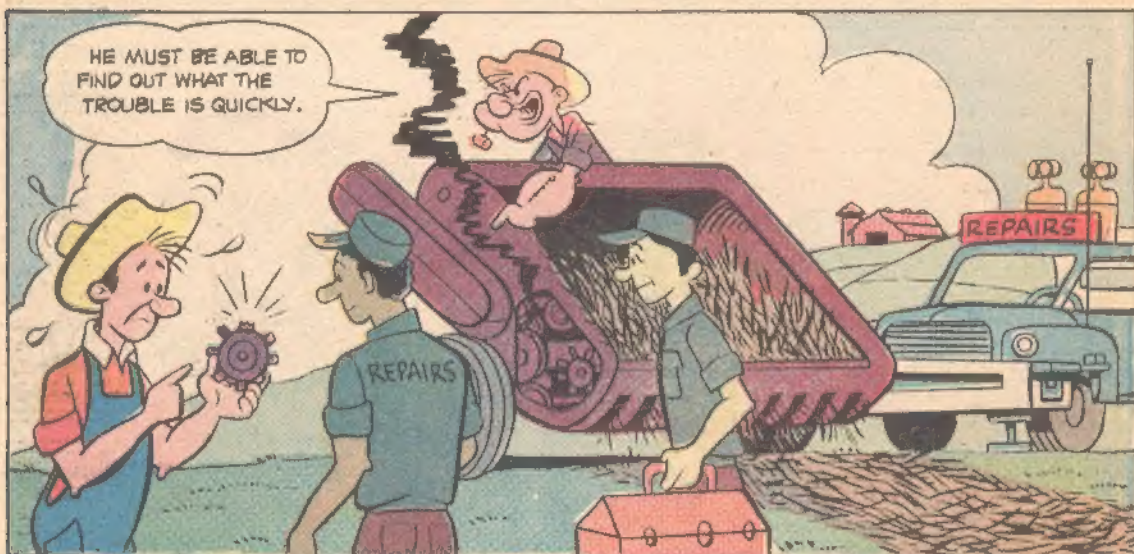
FARM LABORERS MUST HAVE A KNOWLEDGE OF MACHINERY AS WELL AS BE ABLE TO HANDLE LIVESTOCK AND DO THE EVERYDAY CHORES.



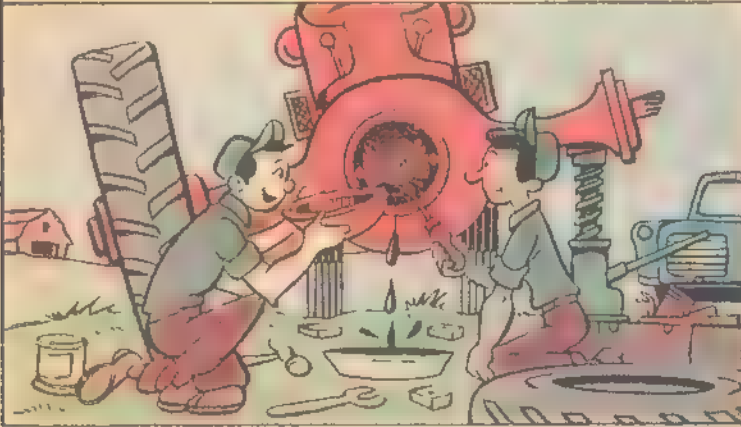
FARM EQUIPMENT MECHANICS
MAINTAIN AND REPAIR MOST OF THE
EQUIPMENT USED TO PLANT, CULTIVATE,
AND HARVEST CROPS.



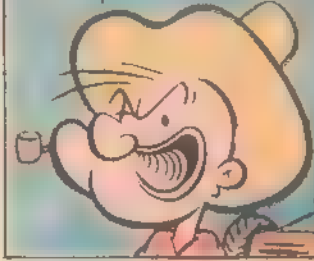
WHEN HEAVY EQUIPMENT
BREAKS DOWN, THE FARM
EQUIPMENT MECHANIC MUST
TRAVEL QUICKLY TO THE FARM.



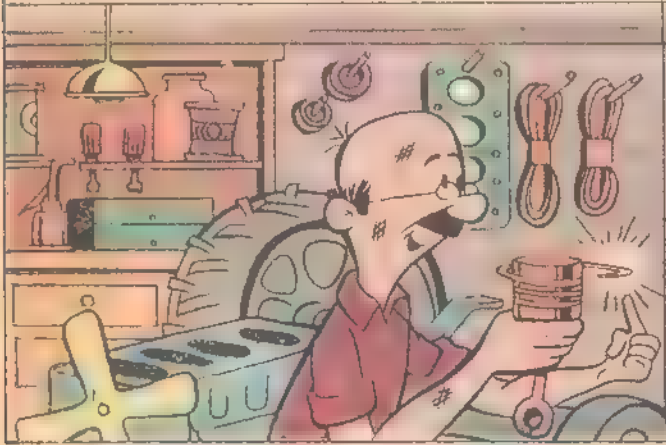
THESE HIGHLY SKILLED WORKERS MAY HAVE TO TAKE APART, REPAIR AND PUT BACK A FARM MACHINE ENGINE QUICKLY, SO THAT THE RIPENING CROPS DON'T SPOIL BEFORE THEY ARE PICKED.



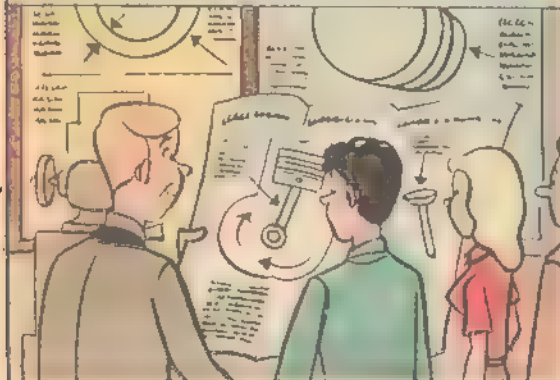
THERE ARE ABOUT 40,000 FARM EQUIPMENT MECHANICS WORKING. MANY OF THESE WORK IN SERVICE DEPARTMENTS OF FARM EQUIPMENT COMPANIES. OTHERS OWN THEIR OWN REPAIR SHOPS OR ARE EMPLOYED BY REPAIR SHOPS.



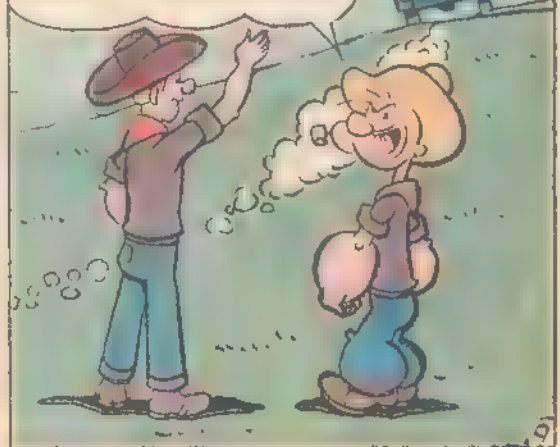
MOST FARM EQUIPMENT MECHANICS BEGIN AS HELPERS TO EXPERIENCED MECHANICS. THEY HELP THEM MAKE COMMON REPAIRS AND PUT TOGETHER NEW FARM EQUIPMENT. THEIR TRAINING PERIOD DEPENDS UPON THEIR EXPERIENCE AND HOW FAST THEY LEARN NEW SKILLS.

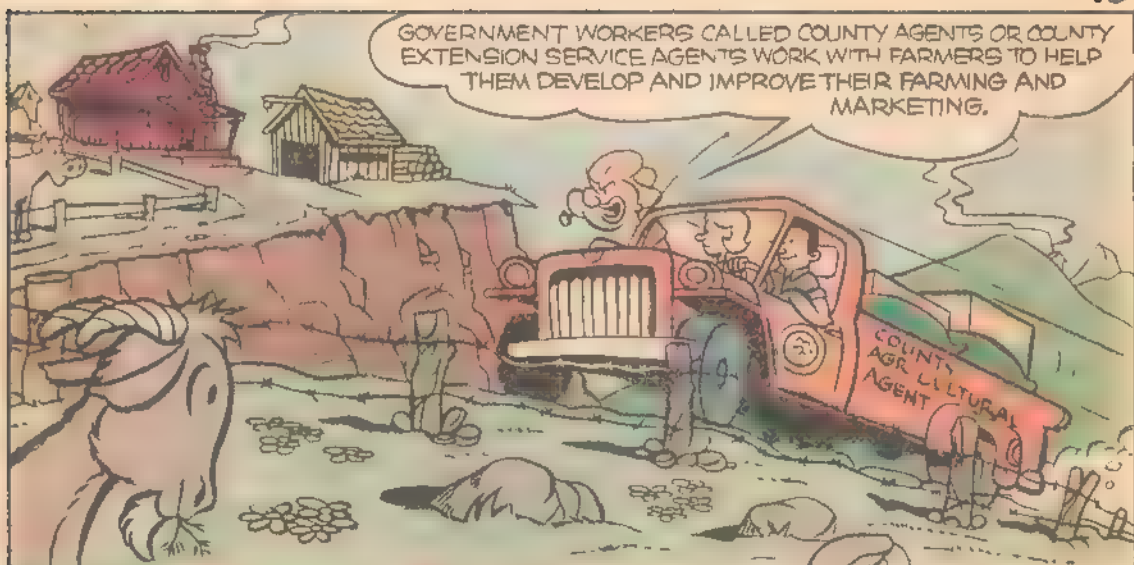


SOME MECHANICS LEARN THEIR TRADE BY COMPLETING AN APPRENTICESHIP TRAINING PROGRAM IN A LARGE REPAIR SHOP. THESE PROGRAMS LAST FROM 3 TO 4 YEARS AND INCLUDE ON-THE-JOB TRAINING IN ALL TYPES OF MAINTENANCE AND REPAIR.



FARM EQUIPMENT REPAIRMEN MAY ADVANCE TO SHOP FOREMEN OR OPEN THEIR OWN REPAIR SHOPS.

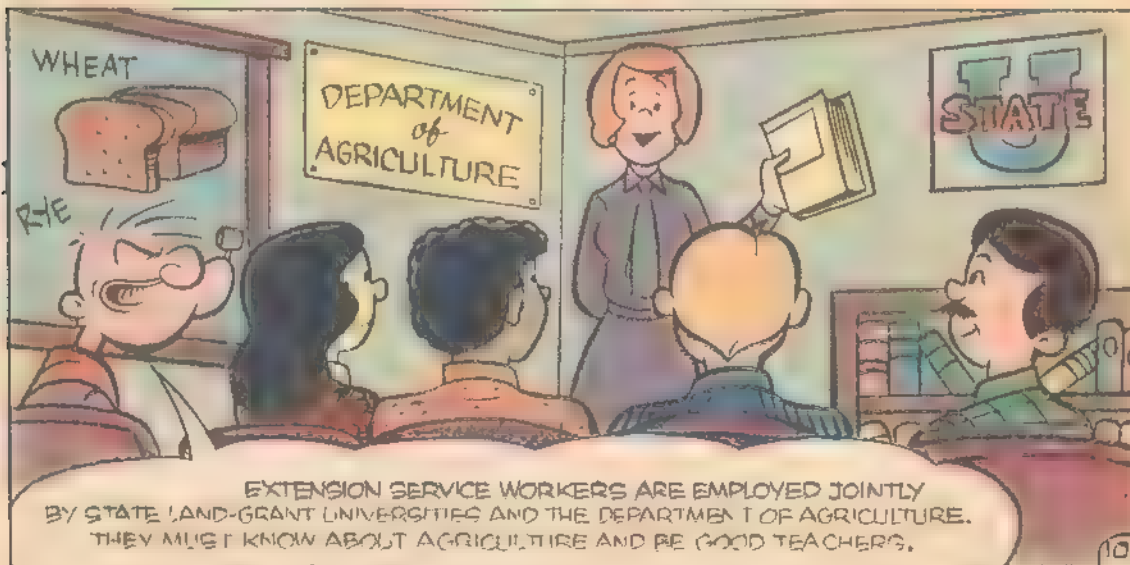
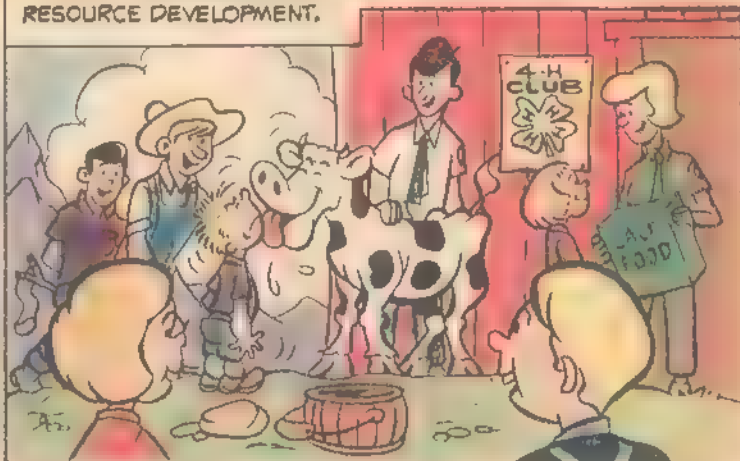




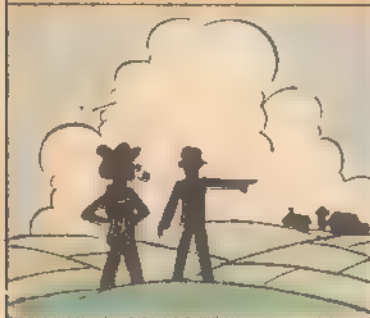
COUNTY HOME ECONOMICS AGENTS WORK CLOSELY WITH WOMEN IN HOME MANAGEMENT, NUTRITION AND OTHER AREAS OF FAMILY LIVING.



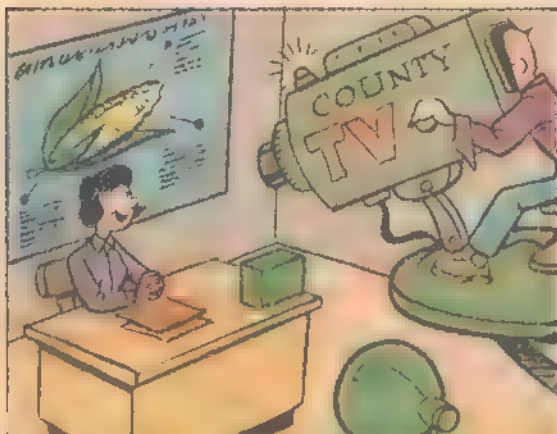
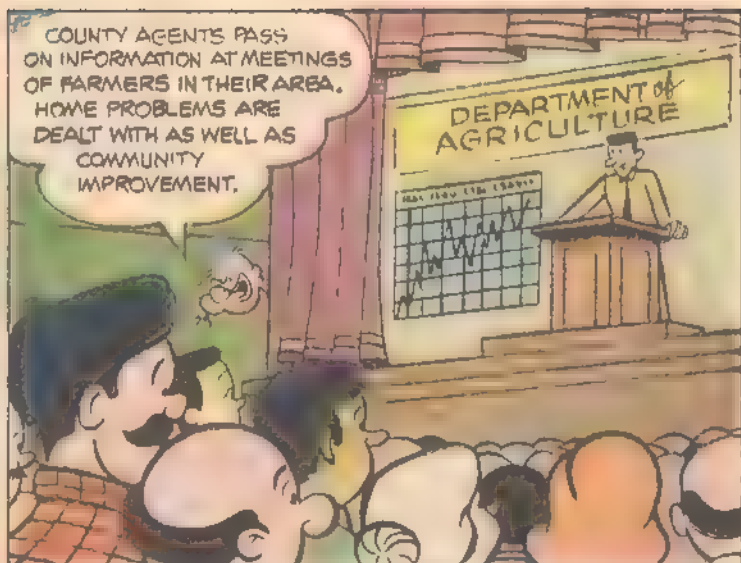
THERE ARE 4-H COUNTY EXTENSION AGENTS WHO WORK WITH YOUNG PEOPLE INTERESTED IN CAREERS IN AGRICULTURE. AND IN SOME COUNTIES SPECIAL AGENTS WORK ON COMMUNITY RESOURCE DEVELOPMENT.



COUNTY AGENTS DISCUSS THE DEVELOPMENT OF NEW MARKET OUTLETS WITH FARMERS. THEY ADVISE FARMERS ON NEW DEVELOPMENTS IN FARMING TECHNIQUES AS WELL AS CHANGES IN GOVERNMENT REGULATIONS.

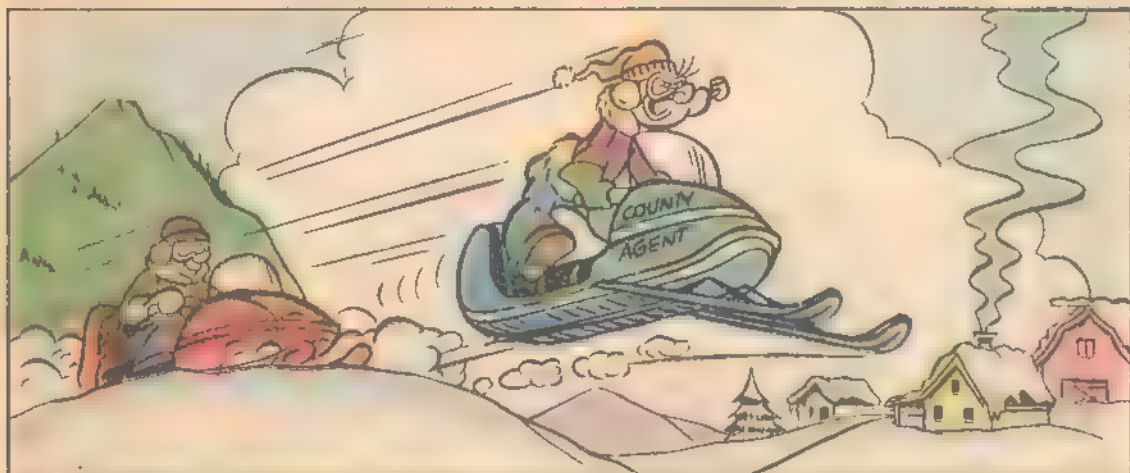


COUNTY AGENTS PASS ON INFORMATION AT MEETINGS OF FARMERS IN THEIR AREA. HOME PROBLEMS ARE DEALT WITH AS WELL AS COMMUNITY IMPROVEMENT.

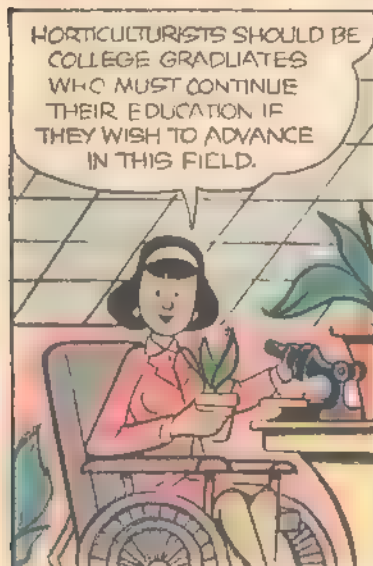
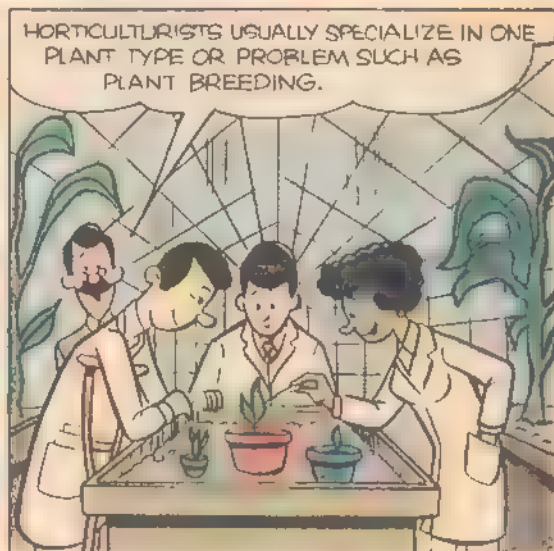
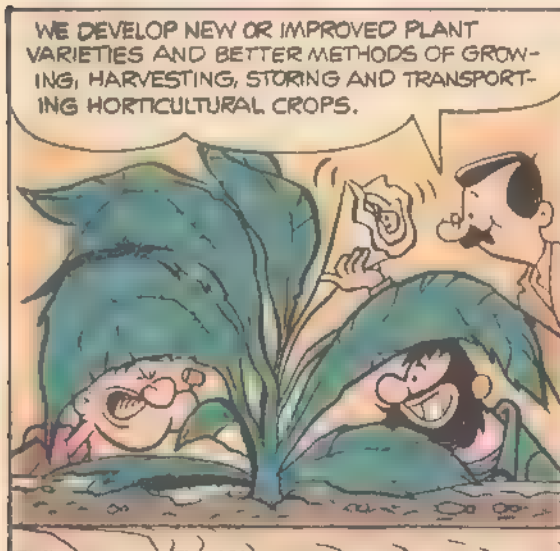
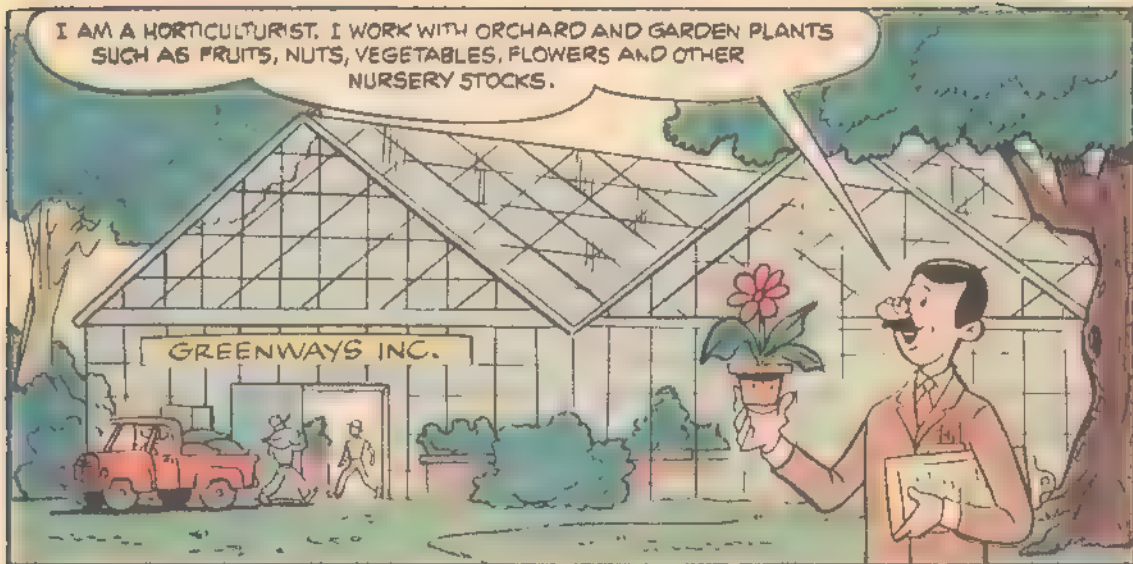


COUNTY AGENTS RELY HEAVILY ON NEWS-PAPERS, RADIO AND TELEVISION TO GET INFORMATION TO THE FARMERS IN THE AREA.

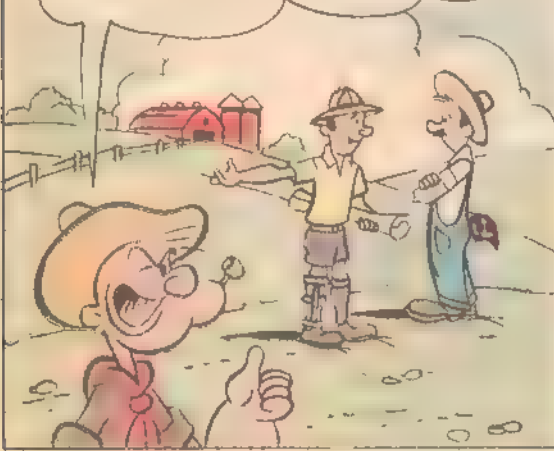
COUNTY AGENTS HAVE COLLEGE DEGREES IN AGRICULTURE, HOME ECONOMICS, OR OTHER TRAINING THAT HELPS THEM IN THEIR WORK.



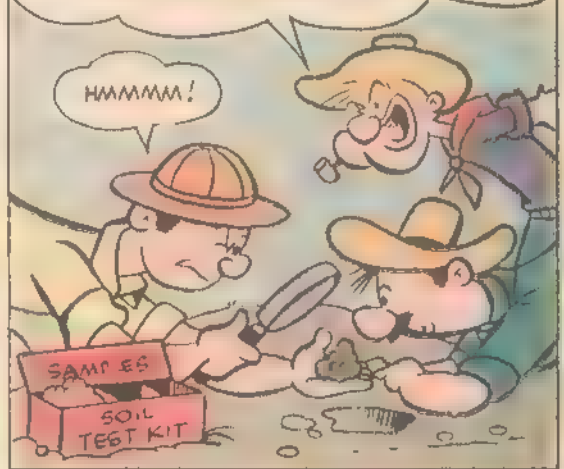
MORE THAN 15,000 EXTENSION SERVICE WORKERS ARE EMPLOYED. THEY HELP MANY PEOPLE AND THEIR WORK IS OFTEN VARIED AND INTERESTING.



AN AGRONOMIST GROWS, BREEDS AND TRIES TO IMPROVE FIELD CROPS SUCH AS PEAS, BEANS, GRAINS, TOBACCO, COTTON AND OTHERS.



AN AGRONOMIST DOES RESEARCH IN PLANT AND SOIL SCIENCES. HE ADVISES FARMERS WHICH FERTILIZERS TO USE.



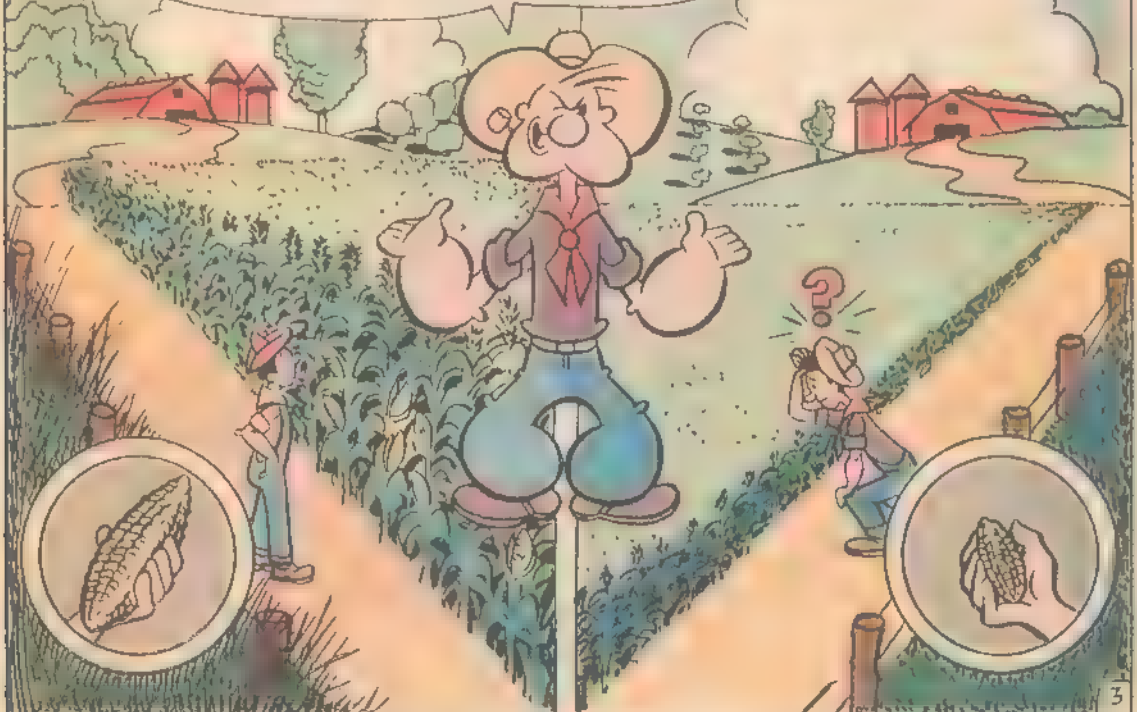
THE AGRONOMIST MAY SUGGEST A DIFFERENT CROP OR ANOTHER TYPE OF THE SAME PLANT THAT WILL GROW BETTER ON THE SOIL OF A FARM.



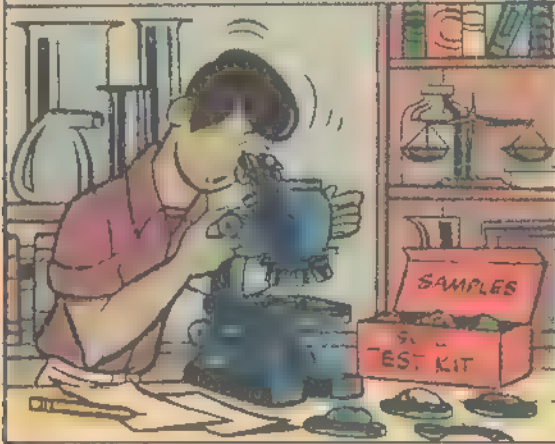
AGRONOMISTS CAN RECOGNIZE PLANT DISEASES AND KNOW WHAT INSECT KILLING SPRAYS TO USE TO BRING PLANTS BACK TO GOOD HEALTH.



SCIENTIFIC BREEDING OF THE EXACT TYPE OF CORN OR WHEAT WHICH WILL GROW BEST IN A CERTAIN ENVIRONMENT OF CLIMATE, RAINFALL, AND GROWING SEASON CAN INCREASE CHANCES OF SUCCESSFUL FARMING AND PREVENT FAILURE.



AGRONOMISTS WORK IN THE FIELD AND THE LABORATORY. THEY WORK REGULAR HOURS UNDER PLEASANT CONDITIONS AND FIND THEIR WORK VERY REWARDING



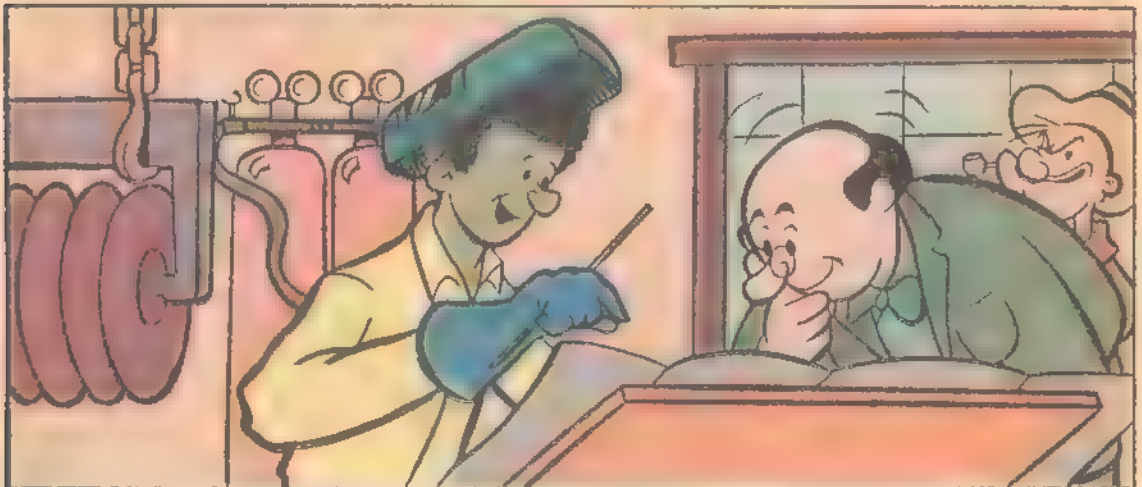
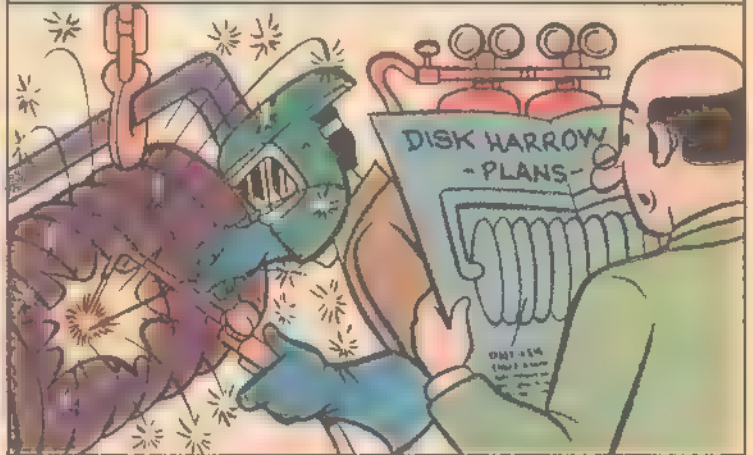
AGRONOMISTS OFTEN BECOME EXPERTS IN THE PROBLEMS OF A CERTAIN AREA, A CROP OR A BETTER METHOD OF CONTROLLING DISEASE, PESTS, OR WEEDS.



AGRONOMISTS ARE COLLEGE GRADUATES WHO SHOULD GO ON TO TAKE ADVANCED DEGREES. CONTINUED EDUCATION IS IMPORTANT TO SUCCESS IN THIS FIELD.



AGRICULTURAL ENGINEERS ARE SPECIALISTS IN DEVELOPING MACHINERY AND EQUIPMENT TO IMPROVE FARM CROPS.



BESIDES DESIGNING BETTER FARM MACHINES AND BUILDINGS, AGRICULTURAL ENGINEERS SUGGEST BETTER WAYS TO STORE CROPS AND TO COOK PACKAGE AND SEND THEM TO MARKET.

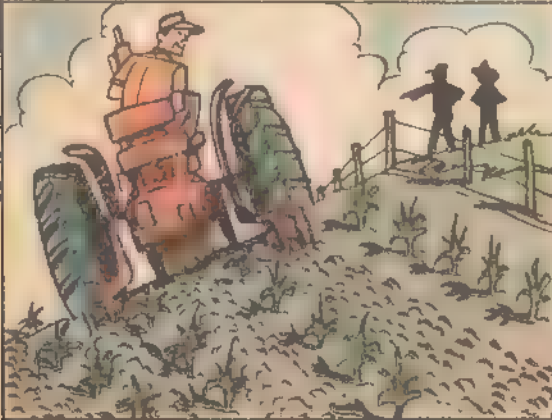
THESE PROFESSIONALS ALSO SUGGEST BETTER MANAGEMENT OF SOIL AND WATER RESOURCES. FOR INSTANCE, IF THERE ISN'T ENOUGH WATER FOR THE CROPS.



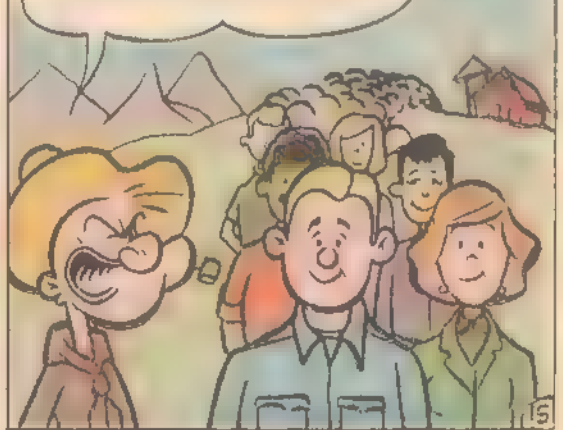
... HE MAY SUGGEST A METHOD OF IRRIGATION.



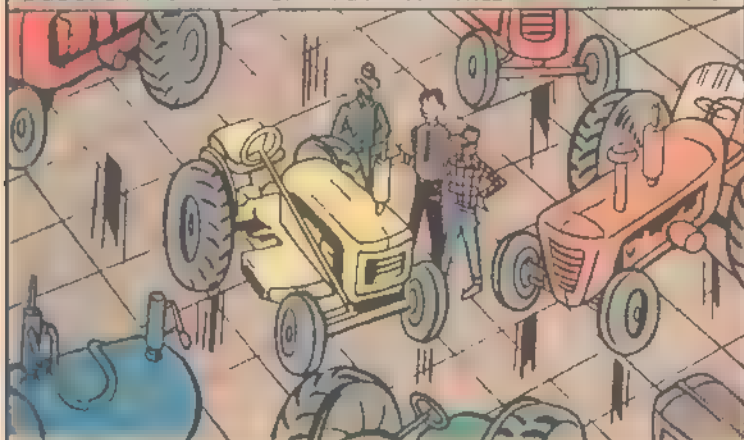
AGRICULTURAL ENGINEERS ARE TRAINED TO TAKE A SCIENTIFIC VIEW OF A FARMING OPERATION. THEY FREQUENTLY SUGGEST CHANGES IN PRODUCTION METHODS THAT SAVE A LOT OF TIME AND MONEY.



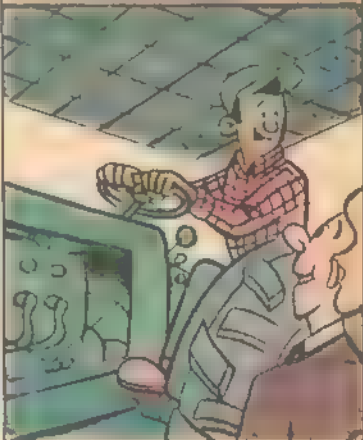
ABOUT 12,000 MEN AND WOMEN AGRICULTURAL ENGINEERS NOW WORK INDOORS AND OUT WITH TOOLS, IDEAS, AND PEOPLE.



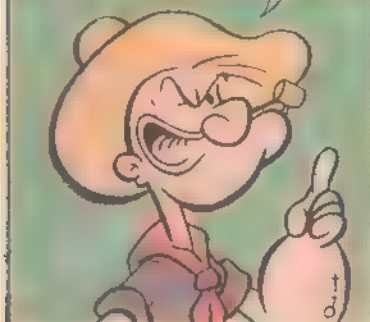
* MOST AGRICULTURAL ENGINEERS ARE EMPLOYED IN PRIVATE INDUSTRY. MANY WORK FOR MANUFACTURERS OF FARM EQUIPMENT. THEY STUDY FARMERS' NEEDS AND PROBLEMS AND SUGGEST THE MACHINERY THEY THINK WILL HELP THEM MOST.



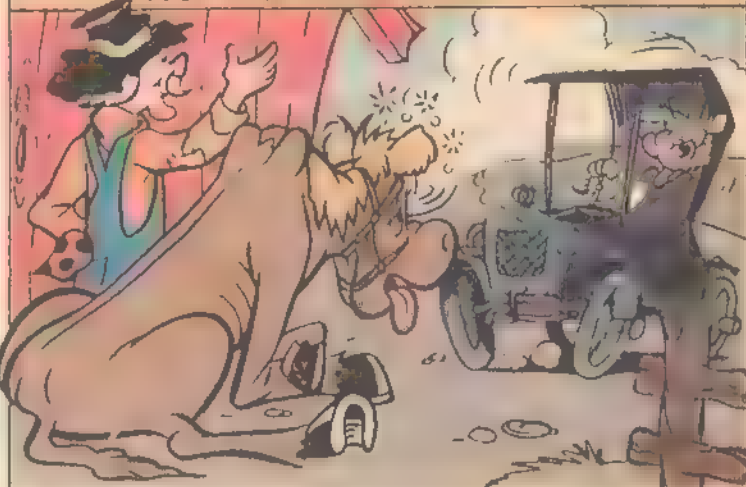
FARMERS TRUST THESE ENGINEERS TO TELL THEM WHICH MACHINES WILL BEST DO ALL THE DIFFERENT JOBS NEEDED TO GROW CROPS.



AGRICULTURAL ENGINEERS USUALLY NEED TO BE COLLEGE GRADUATES. ENGINEERS WHO WANT TO DO RESEARCH OR TEACH SHOULD GO ON WITH THEIR COLLEGE DEGREE STUDIES.



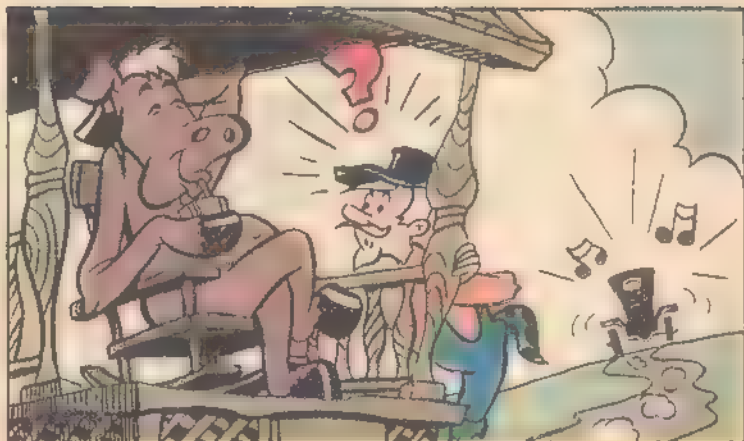
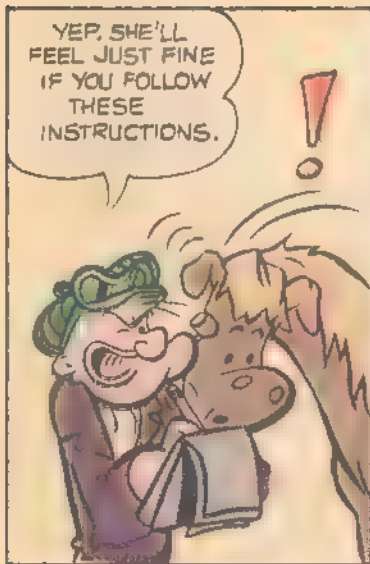
DOCTORS OF VETERINARY MEDICINE OR VETERINARIANS LOOK AFTER SICK OR INJURED ANIMALS.



I KNOW JUST WHAT'S WRONG WITH OLD NELLIE, RUFUS.

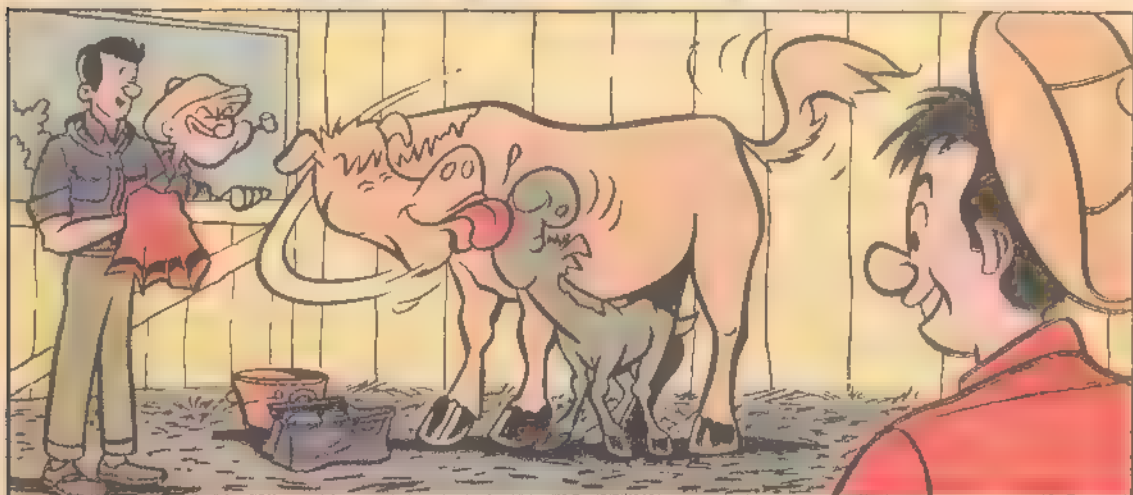
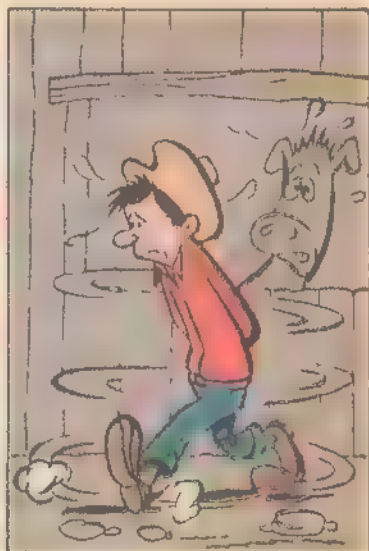
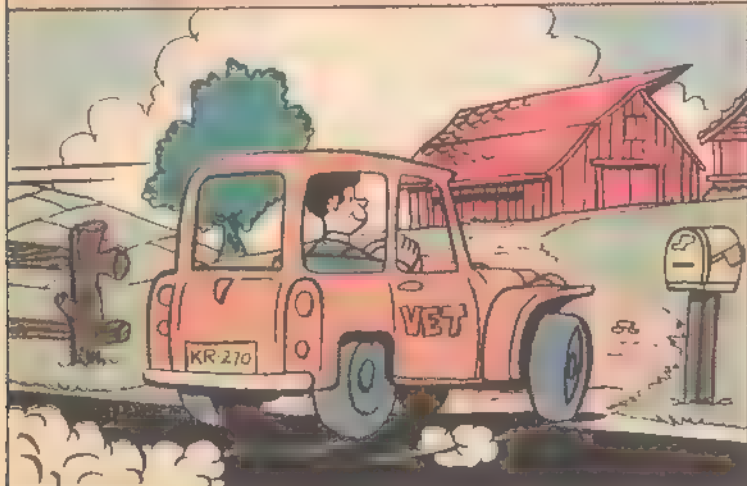
YOU DO? THEN YOU KNOW HOW TO CURE HER, DR. POPEYE!





VETERINARIANS DON'T REALLY SUGGEST RETIREMENT TO A ROCKING CHAIR FOR OLD OR SICK ANIMALS THE WAY POPEYE DID. THEY FIND OUT WHAT'S WRONG WITH FARM ANIMALS AND CURE THEM IF THEY CAN.

SOMETIMES VETERINARIANS GET CALLED IN AN EMERGENCY
JUST LIKE PHYSICIANS.

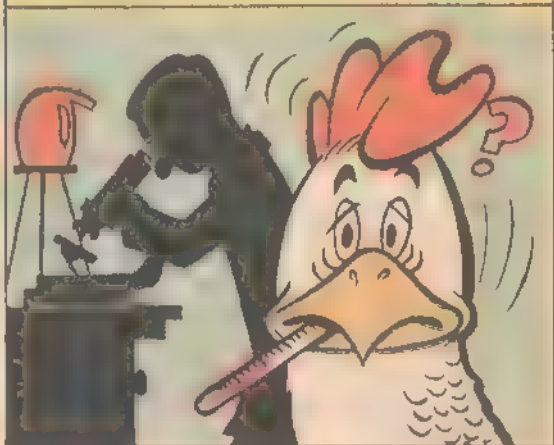


THEY MAY HAVE TO HELP MOTHER ANIMALS GIVE BIRTH WHEN THEY ARE HAVING
DIFFICULTY. ANIMALS SUCH AS RACE HORSES ARE WORTH A GREAT AMOUNT OF MONEY.

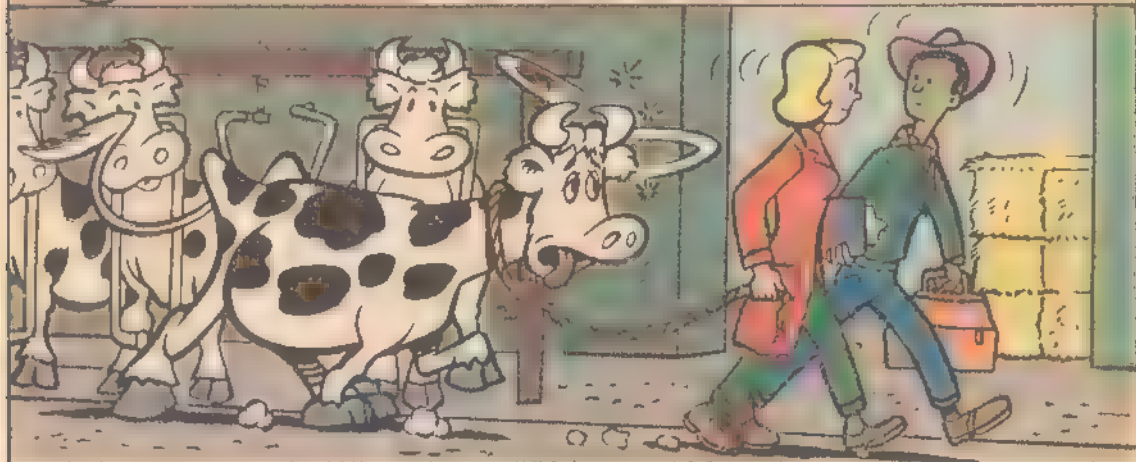
WHEN THEY FIND AN ANIMAL WITH A DISEASE THAT IS CATCHING VETERINARIANS HELP PREVENT IT FROM SPREADING TO THE WHOLE FLOCK OR HERD.



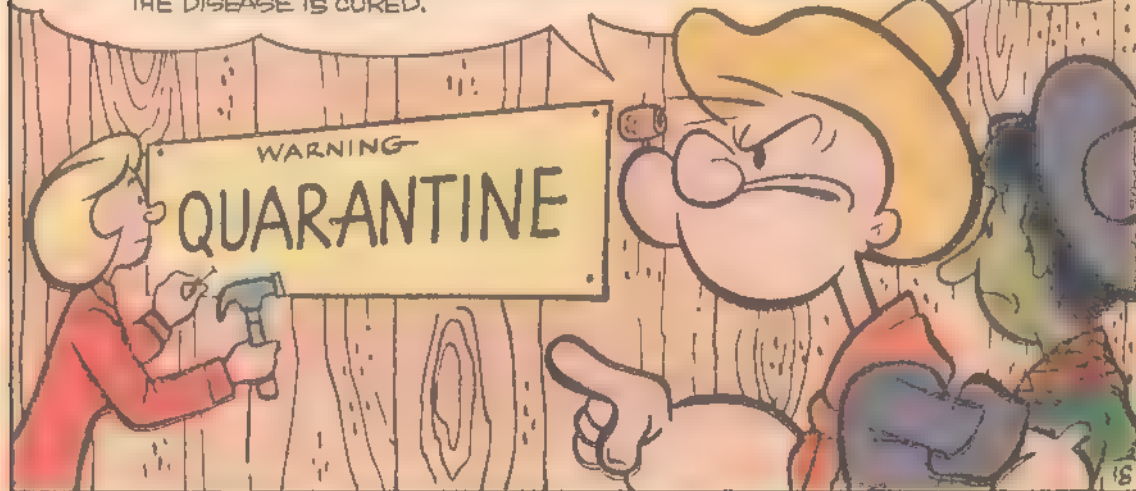
HE MAY TAKE THE SICK ANIMAL WITH HIM TO FIND OUT WHAT DISEASE IT HAS, SO THAT STEPS CAN BE TAKEN TO PROTECT OTHER ANIMALS FROM IT.

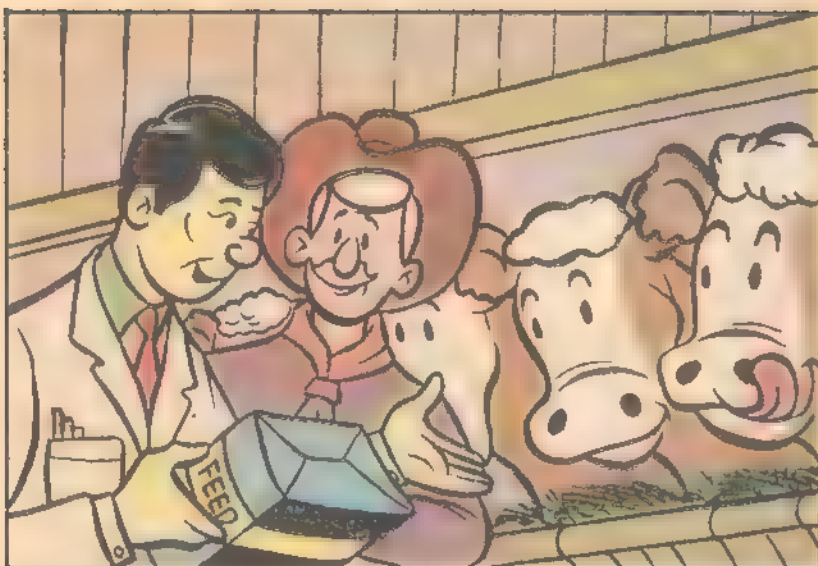


BECAUSE HUMANS CAN CATCH SOME ANIMAL DISEASES, VETERINARIANS MUST TAKE STEPS TO PREVENT PEOPLE FROM EATING MEAT AND DRINKING MILK FROM THESE ANIMALS.



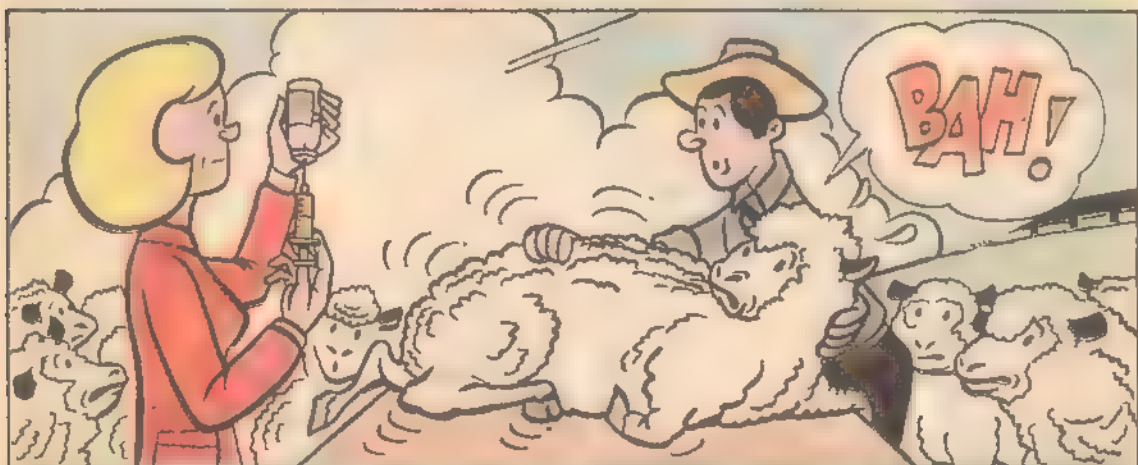
WHEN THIS TYPE OF DISEASE IS DISCOVERED, A VETERINARIAN WILL LEGALLY PREVENT THE FARMER FROM SELLING HIS ANIMALS OR THEIR PRODUCTS UNTIL THE DISEASE IS CURED.





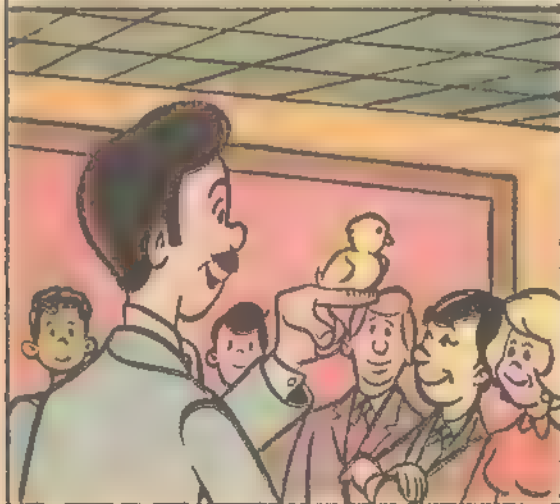
VETERINARIANS ALSO ADVISE CATTLE GROWERS ON THE CARE AND FEEDING OF THEIR HERDS.

IMPROVED METHODS CAN MEAN GREATER CASH RETURN WHEN THE CATTLE MAN MARKETS HIS HERD.

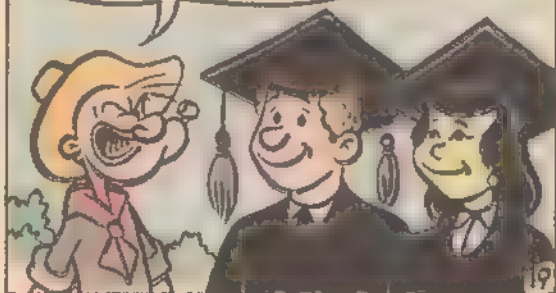


VETERINARIANS INOCULATE LIVESTOCK AGAINST MANY DISEASES. THEY HELP PROTECT THE FARMER AGAINST FINANCIAL LOSS FROM ANIMAL DISEASES.

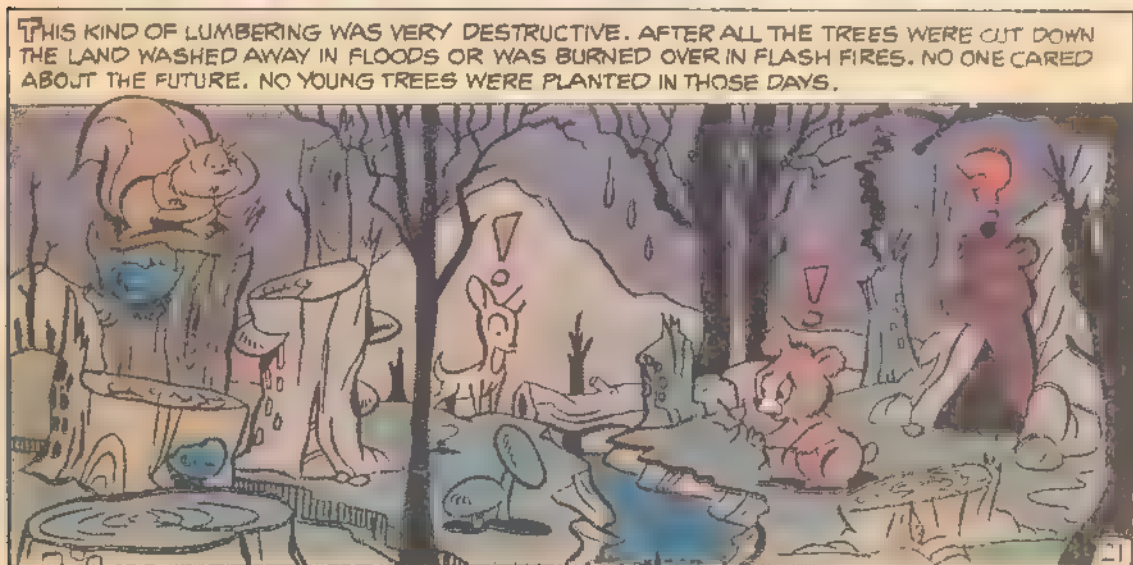
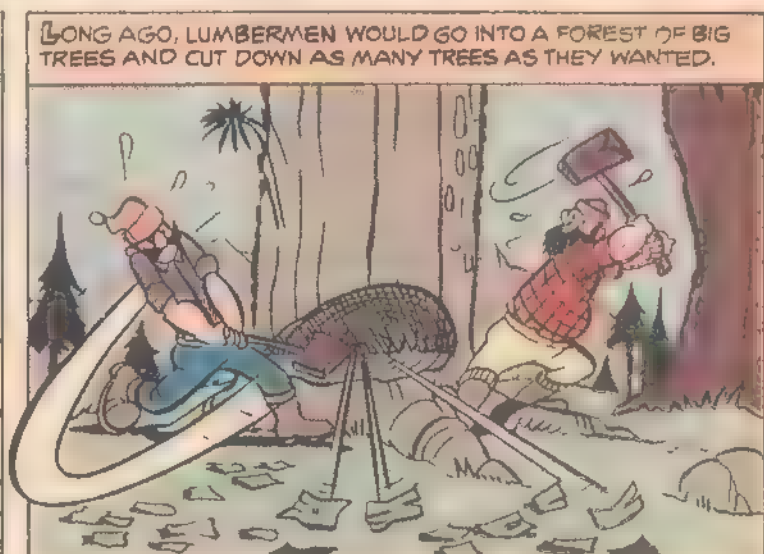
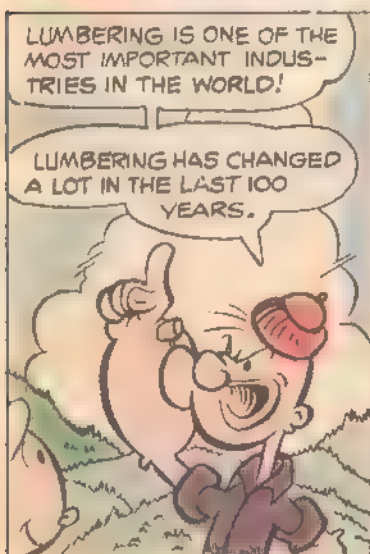
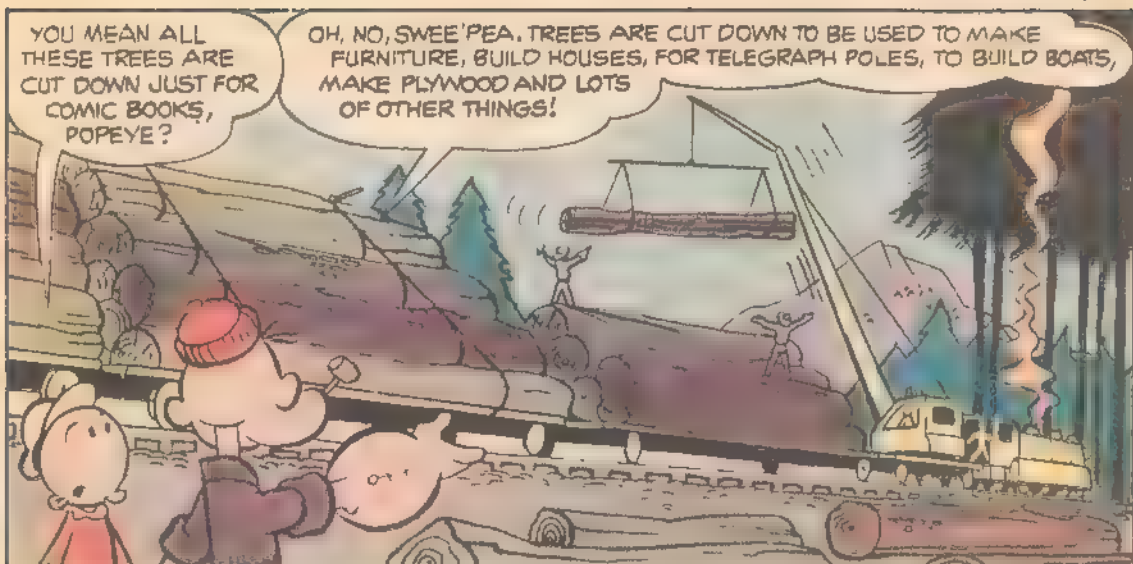
SOME VETERINARIANS TEACH IN VETERINARY MEDICINE OR AGRICULTURAL SCHOOLS.



VETERINARIANS MUST FIRST HAVE A DEGREE OF DOCTOR OF VETERINARY MEDICINE IN ORDER TO GET A LICENSE TO PRACTICE. THEY GET THIS DEGREE AFTER 8 YEARS IN COLLEGE, THE LAST 4 IN A COLLEGE OF VETERINARY MEDICINE.





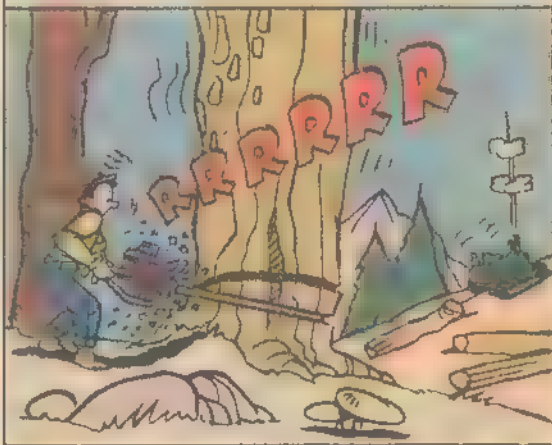


THEY WERE PRETTY DUMB IN THOSE DAYS, POPEYE.

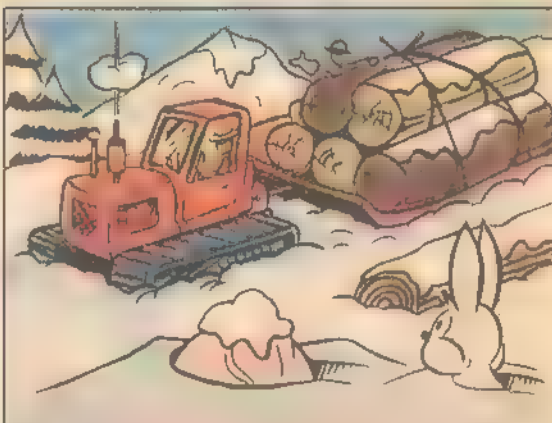
THAT IS RIGHT, SWEETPEA. TODAY LUMBER COMPANIES ONLY CUT FULLY GROWN TREES AND THEY REPLACE THE ONES THEY HARVEST. EVERY 50 YEARS THE TREES ARE READY TO BE CUT AGAIN.



LUMBERMEN TODAY USE POWER CHAIN SAWS TO CUT DOWN THE TREES AND MACHINERY IS USED TO MOVE THE LOGS TO THE LOGGING RAILROAD.

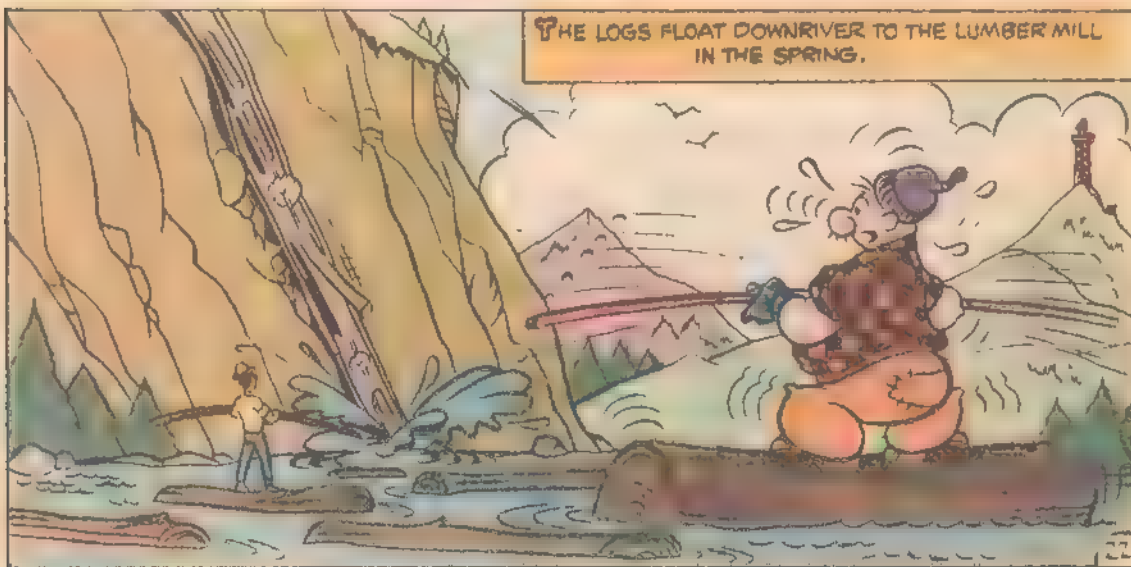


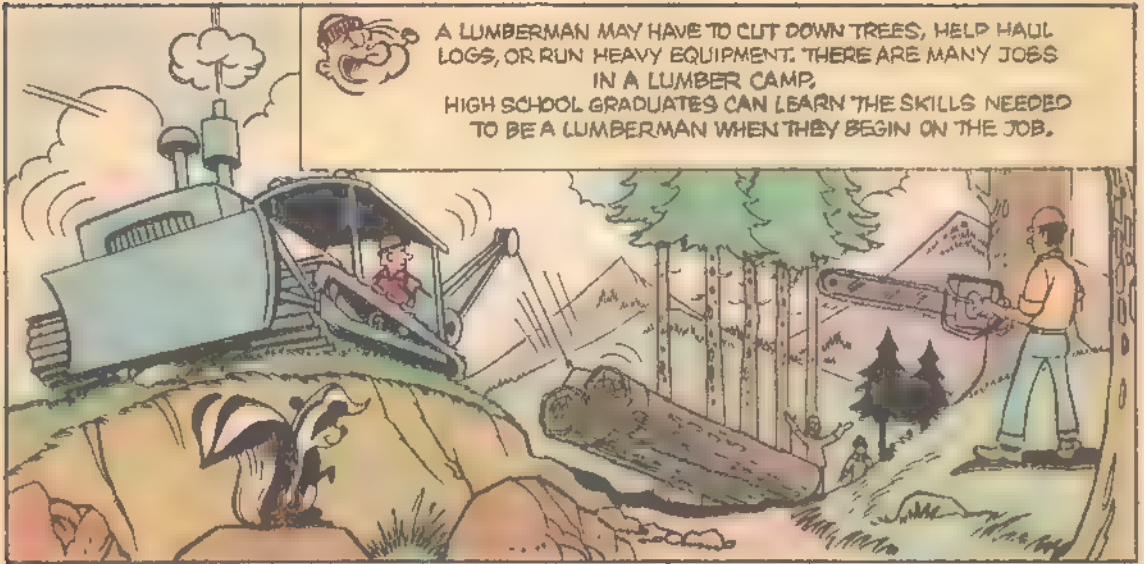
LOGGERS DO VERY STRENUOUS WORK. THEY ARE HIGHLY SKILLED BUT THEY DO NOT HAVE TO GO TO SCHOOL TO LEARN LOGGING. THEY WORK AS HELPERS UNTIL THEY ARE QUALIFIED.



IN SOME PARTS OF THE COUNTRY, LOGGING IS DONE IN THE WINTER WHEN THE HEAVY LOGS CAN BE SKIDDED OR DRAGGED TO THE RIVER WHERE THEY'LL BE FLOATED TO THE PULP MILL!

THE LOGS FLOAT DOWNRIVER TO THE LUMBER MILL IN THE SPRING.





A LUMBERMAN MAY HAVE TO CUT DOWN TREES, HELP HAUL LOGS, OR RUN HEAVY EQUIPMENT. THERE ARE MANY JOBS IN A LUMBER CAMP. HIGH SCHOOL GRADUATES CAN LEARN THE SKILLS NEEDED TO BE A LUMBERMAN WHEN THEY BEGIN ON THE JOB.

LUMBER COMPANY EXECUTIVES ARE USUALLY COLLEGE EDUCATED. HIGH SCHOOL GRADUATES CAN GET JOBS WITH SOME COMPANIES, BUT OTHERS WANT EMPLOYEES WITH SOME COLLEGE EDUCATION.

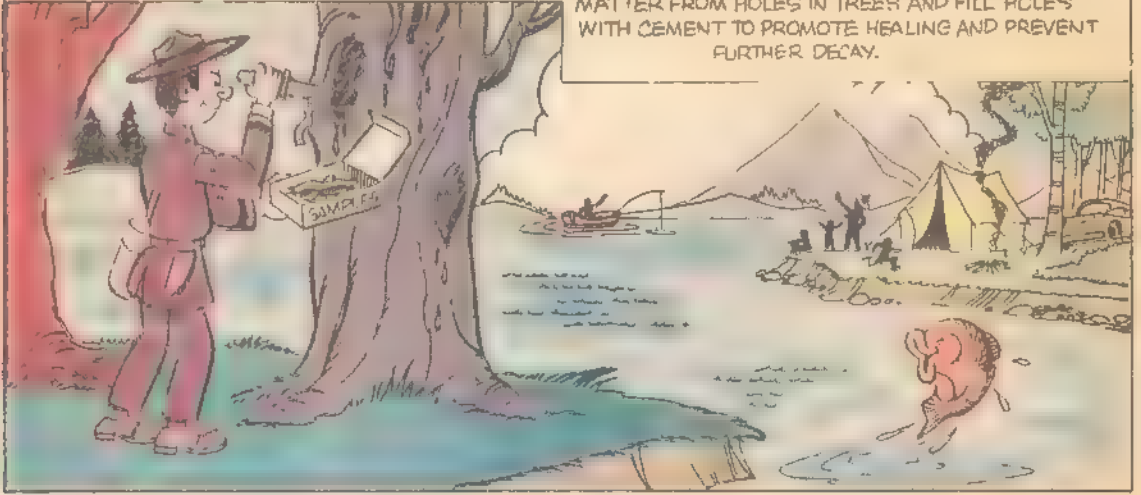
ABOUT 25,000 PERSONS ARE EMPLOYED AS FORESTERS. ABOUT HALF OF THEM WORK FOR PRIVATE INDUSTRY.



SOME FORESTERS SPECIALIZE IN TIMBER MANAGEMENT. THEY SUPERVISE THE HARVESTING OF TREES. PLANNED CUTTING PREVENTS THE DESTRUCTION OF ENTIRE FORESTS.



FORESTERS SUPERVISE REMOVAL OF DISEASED AND UNSATISFACTORY TREES. TREE SURGEONS PRUNE AND TREAT DISEASED TREES. THEY CUT OUT DEAD AND UNDESIRABLE LIMBS, SCRAPE AWAY DECAYED MATTER FROM HOLES IN TREES AND FILL HOLES WITH CEMENT TO PROMOTE HEALING AND PREVENT FURTHER DECAY.



FORESTERS ARE COLLEGE GRADUATES WITH A MAJOR IN FORESTRY. THOSE WHO WISH TO TEACH OR GET BETTER JOBS SHOULD CONTINUE THEIR EDUCATIONS.



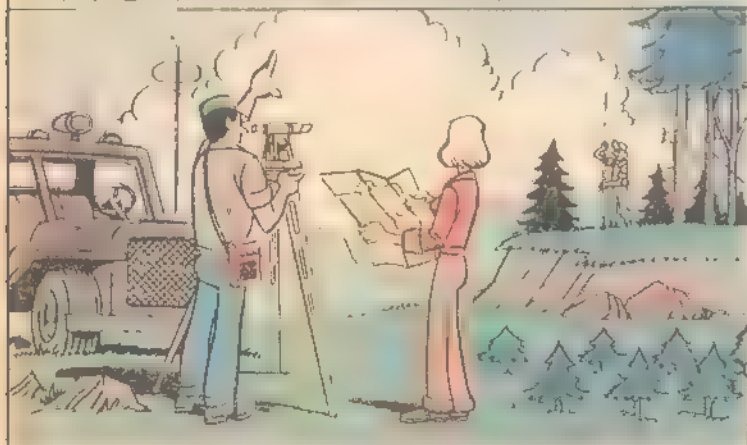
A FORESTER USUALLY WORKS OUT OF DOORS, SOMETIMES IN BAD WEATHER. HE MAY HAVE TO WORK LONG HOURS, OFTEN WHEN OTHER PEOPLE ARE OFF.



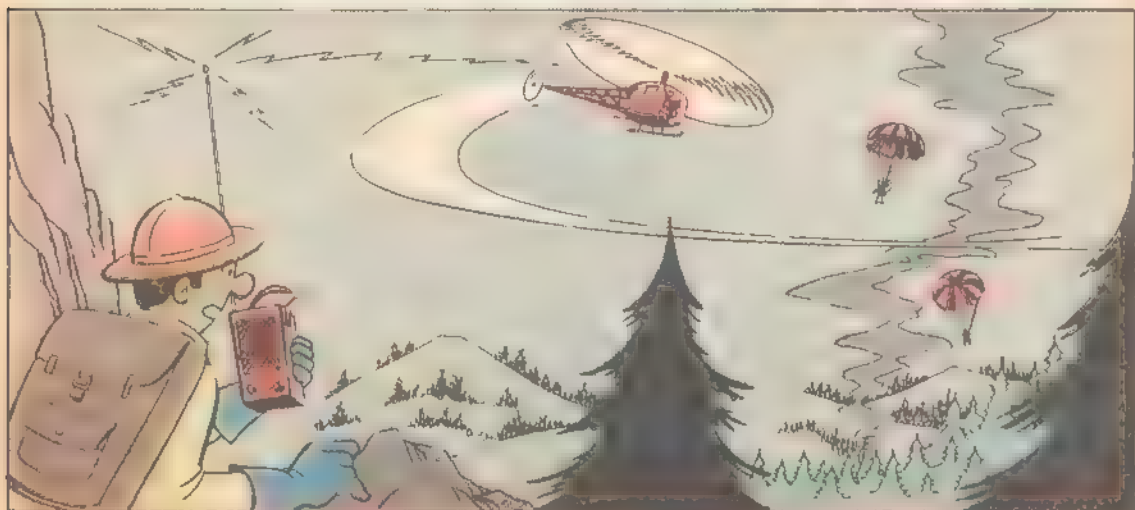
MORE FORESTERS ARE EMPLOYED TO PROTECT EXISTING FORESTS. HIGHER PROFITS CAN BE MADE BY COMPANIES THAT FOLLOW APPROVED LOGGING PRACTICES.



FORESTRY TECHNICIANS ASSIST FORESTERS IN MANAGING AND CARING FOR FOREST LANDS. THE ROUTES INCLUDE SCALING LOGS, MARKING TREES AND RECORDING INFORMATION ABOUT THE FORESTS AND WATER SUPPLY.



THEY SOMETIMES SUPERVISE TIMBER SALES, RECREATION-AREA USE AND WORK WITH SURVEY CREWS.



FORESTRY TECHNICIANS MUST KNOW EVERY WAY TO PREVENT FOREST FIRES. WHEN A FIRE STARTS HE WILL OFTEN LEAD THE FIRE-FIGHTERS TO THE FIRE.

FORESTRY AIDS SHOULD COMPLETE A SPECIAL TRAINING COURSE AFTER FINISHING HIGH SCHOOL.



FORESTRY AIDS AND TECHNICIANS SHOULD STUDY FORESTRY PROTECTION, KNOWLEDGE OF TREES AND SHRUBS, METHODS OF GROWING FORESTS, AND GRAFTING.



FORESTRY AID AND THE TECHNICIANS SOMETIMES WORK HARD. THEY MAY WORK LONG, IRREGULAR HOURS, SOMETIMES IN VERY BAD WEATHER. PEOPLE WHO LIKE WORKING OUT OF DOORS WHO CAN WORK WITHOUT DIRECT SUPERVISION SUCCEED IN THIS FIELD.



SOME WORKERS ARE REALLY SMART, POPEYE, BUT WHO TELLS THEM WHAT TO DO?

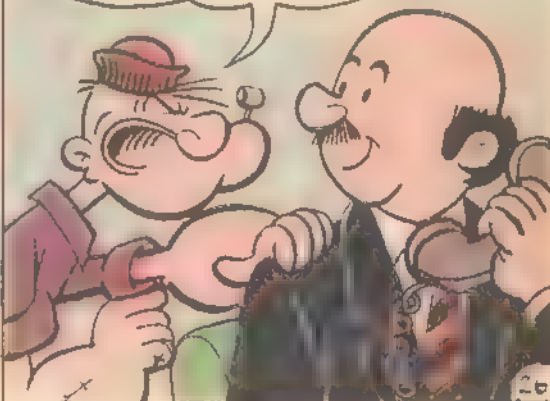
IN ALL INDUSTRIES AND EVERY GROUP OF WORKERS, THERE IS SOMEONE IN CHARGE WHO PLANS THE ACTIVITIES OF OTHER WORKERS.



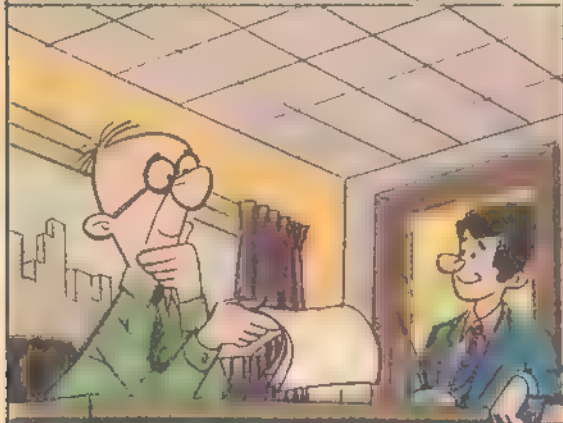
EVERY COMPANY HAS A MAN IN CHARGE... HE MAY BE CALLED A COMPANY PRESIDENT OR A PLANT SUPERINTENDENT OR A DISTRICT SUPERVISOR BUT TO THOSE WORKING FOR HIM HE IS THE BOSS.



THESE PEOPLE IN MANAGEMENT ARE RESPONSIBLE FOR THE OVERALL OPERATION OF WHATEVER BUSINESS THEY RUN. THEY UNDERSTAND THE ENTIRE OPERATION OF THE ORGANIZATION.



SOMETIMES MANAGERS ARE PROMOTED FROM OTHER JOBS WITHIN THE COMPANY. OTHER COMPANIES HIRE BUSINESS ADMINISTRATION OR EDUCATION COLLEGE GRADUATES, OR PROFESSIONALS FROM OTHER COMPANIES.

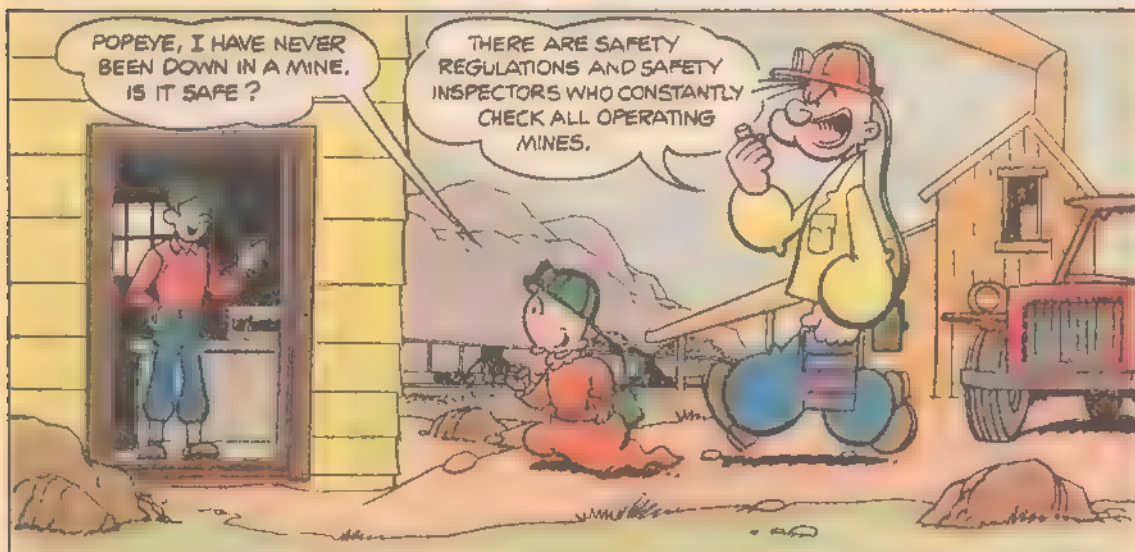


A LONG PERIOD OF APPRENTICESHIP MAY QUALIFY JUNIOR EXECUTIVES FOR MORE RESPONSIBLE POSITIONS.



POPEYE, I HAVE NEVER BEEN DOWN IN A MINE. IS IT SAFE?

THERE ARE SAFETY REGULATIONS AND SAFETY INSPECTORS WHO CONSTANTLY CHECK ALL OPERATING MINES.

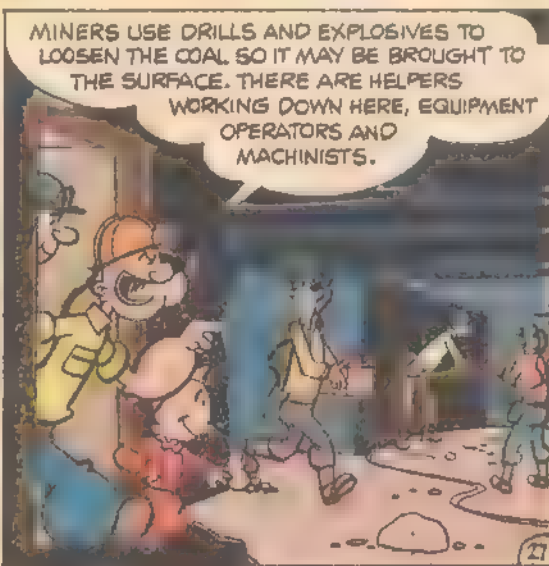


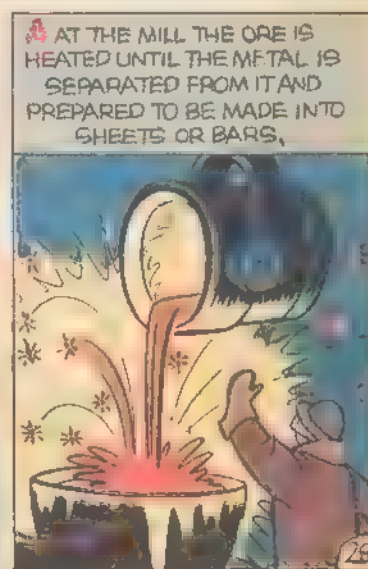
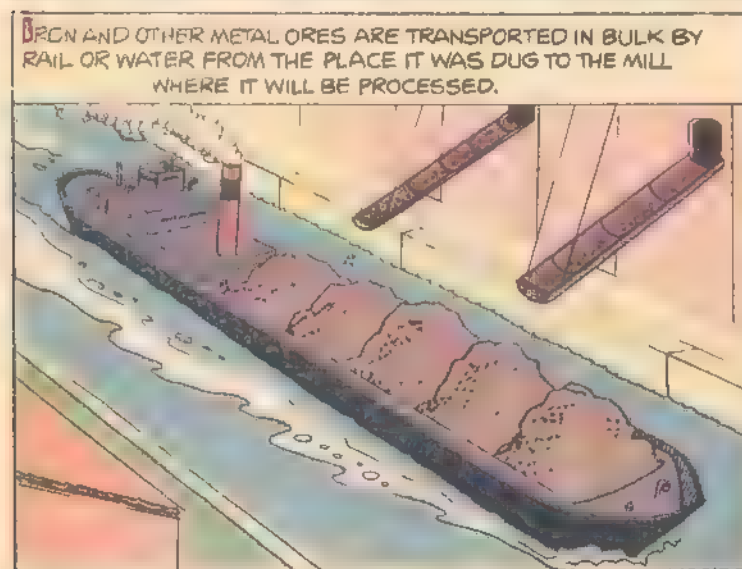
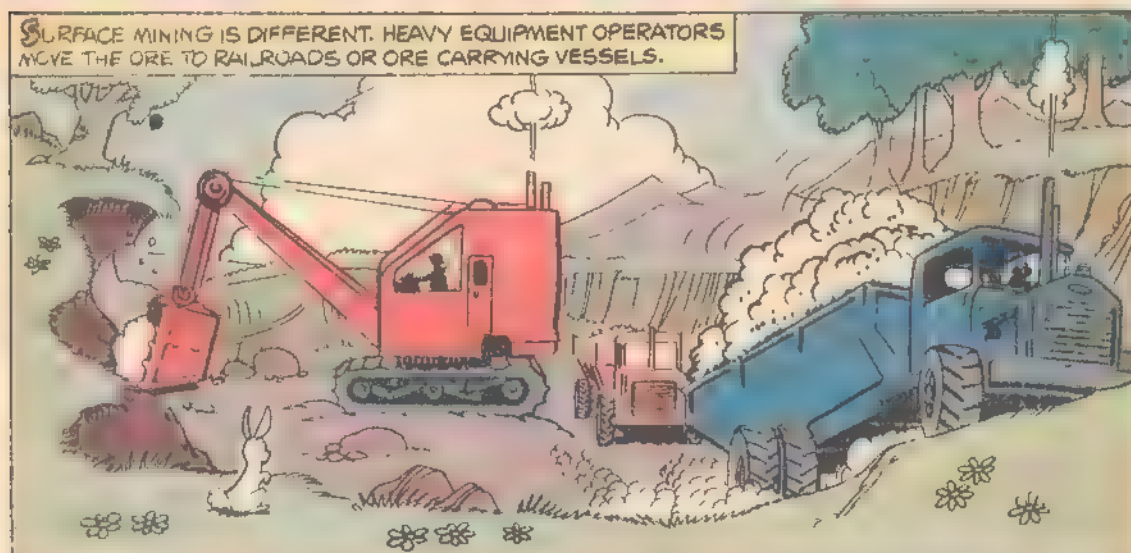
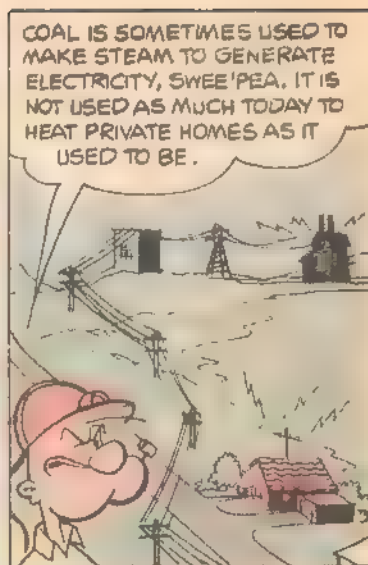
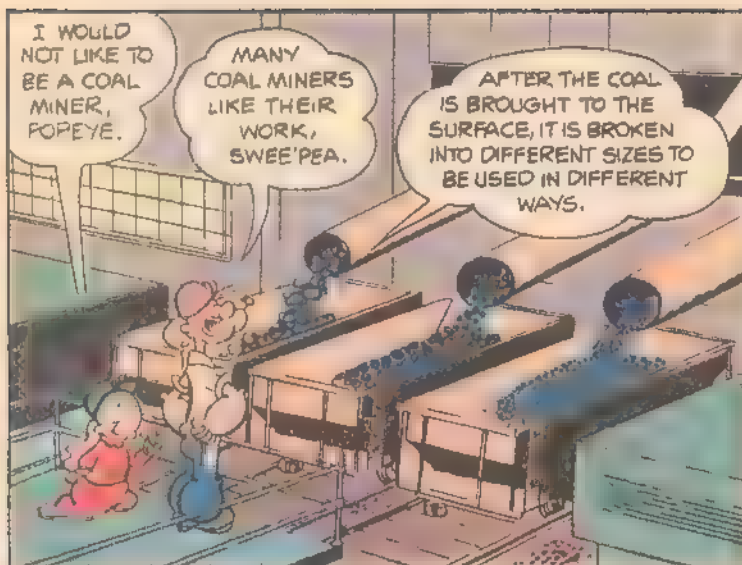
TELL HIM TO STOP. MY STOMACH IS STILL UP THERE!

MINE ELEVATORS GO UP AND DOWN VERY FAST, SWEET'PEA.



MINERS USE DRILLS AND EXPLOSIVES TO LOOSEN THE COAL SO IT MAY BE BROUGHT TO THE SURFACE. THERE ARE HELPERS WORKING DOWN HERE, EQUIPMENT OPERATORS AND MACHINISTS.

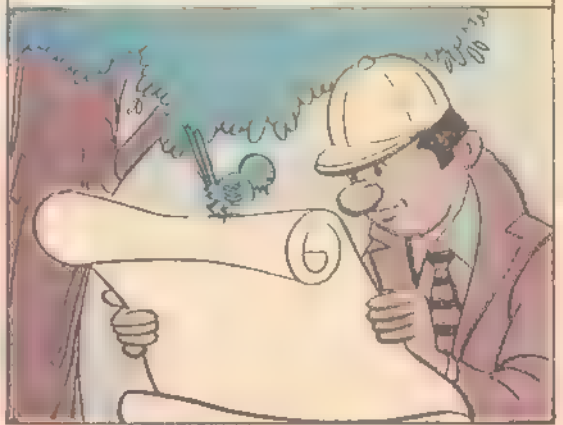




MINING ENGINEERS MUST FIND AND DIG OUT THE MINERALS FROM THE EARTH. THEY DECIDE WHERE MINES WILL BE DUG AND HOW THEY WILL BE BUILT.



THEY KNOW ABOUT THE DANGERS OF UNDERGROUND MINING. THEY ALSO KNOW ALL THE SAFETY RULES, AND THEY ADVISE COMPANIES ON THE BEST MINING AND MARKETING OF MINERALS.



MINING ENGINEERS PLAN FOR AIR AND WATER SUPPLY, POWER AND COMMUNICATIONS.



ABOUT 5,000 MINING ENGINEERS ARE WORKING IN THE MINING INDUSTRY. SOME WORK IN COLLEGES AND UNIVERSITIES, OTHERS WORK FOR GOVERNMENT AGENCIES.



MINING ENGINEERS WORK IN AND AROUND MINES AS WELL AS IN THEIR OFFICES WHERE THEY DRAW PLANS OR CONDUCT OTHER BUSINESS.



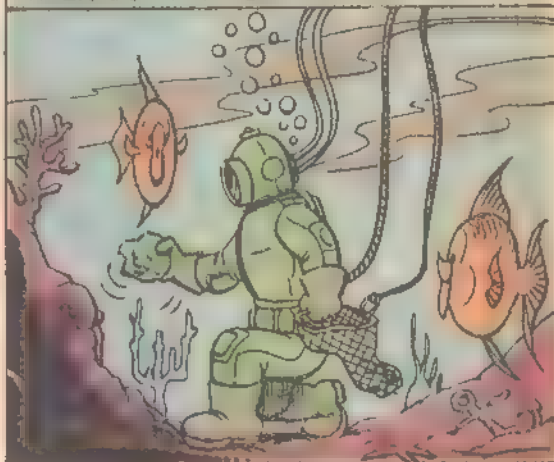
MINING ENGINEERS ARE COLLEGE GRADUATES WITH A MAJOR IN MINING. SOME CONTINUE THEIR STUDIES AND EARN ADVANCED DEGREES.

GEOLOGISTS STUDY THE STRUCTURE, COMPOSITION AND HISTORY OF THE EARTH'S CRUST. MANY GEOLOGISTS SPEND MOST OF THEIR TIME IN FIELD WORK, SEARCHING FOR MINERAL DEPOSITS.

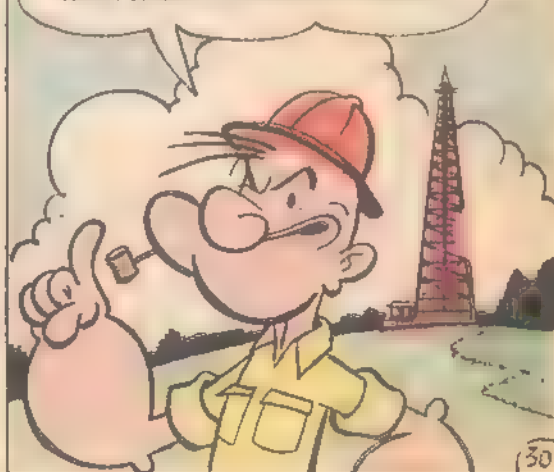
GEOLOGISTS USE DIFFERENT TOOLS TO LOOK FOR ORE. THEIR TOOLS CAN MEASURE RADIOACTIVITY, SHOW THE DIFFERENT MINERALS IN A ROCK SAMPLE, AND THEIR OLD-FASHIONED PROSPECTOR'S PICK BREAK ROCKS INTO SMALL PIECES FOR STUDY.



SOME GEOLOGISTS EXPLORE ROCKS AND MARINE FORMATIONS, SEARCHING FOR MINERALS ON THE OCEAN FLOOR.



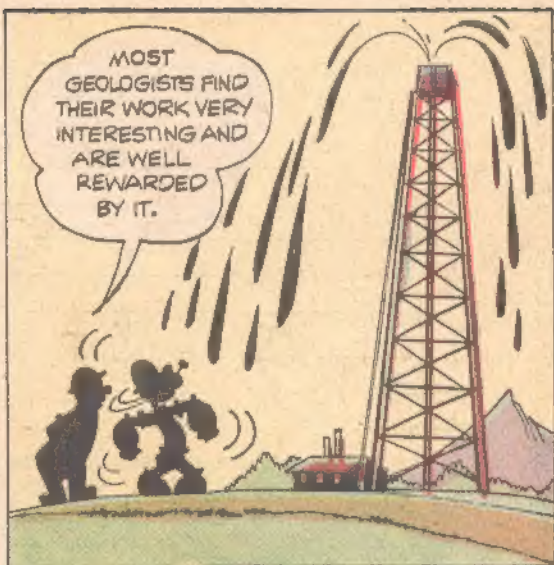
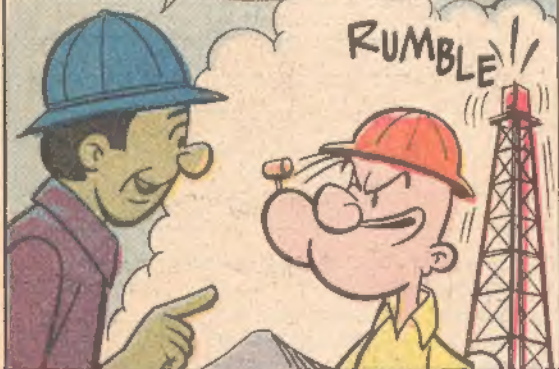
THERE ARE MORE THAN 23,000 MEN AND WOMEN WORKING AS GEOLOGISTS. MOST OF THEM WORK IN PRIVATE INDUSTRY.



MOST GEOLOGISTS EARN A COLLEGE DEGREE WITH A MAJOR IN GEOLOGY AND THEN CONTINUE THEIR STUDIES TO EARN A MASTER'S DEGREE. MOST SUCCESSFUL GEOLOGISTS IN HIGH-LEVEL RESEARCH AND ADMINISTRATIVE POSITIONS HAVE A PH.D IN GEOLOGY.

RUMBLE!

MOST GEOLOGISTS FIND THEIR WORK VERY INTERESTING AND ARE WELL REWARDED BY IT.



HEH HEH!

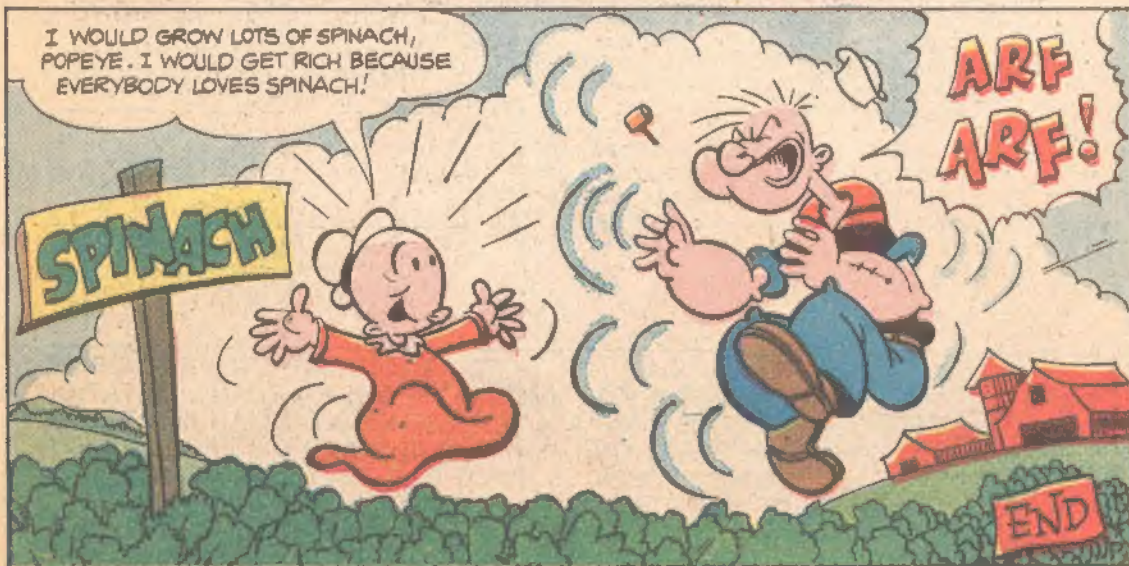
YOU LEARNED ABOUT A LOT OF DIFFERENT JOBS IN THIS FIELD, SWEET PEA. WHICH ONE DO YOU THINK YOU LIKE MOST?

I THINK I WOULD LIKE TO BE A FARMER, POPEYE.



I WOULD GROW LOTS OF SPINACH, POPEYE. I WOULD GET RICH BECAUSE EVERYBODY LOVES SPINACH!

ARE ARE!



CAN YOU ANSWER THESE ?

1. LIST FIVE JOBS IN AGRI-BUSINESS AND NATURAL RESOURCES CAREERS YOU MIGHT ENJOY. NEXT TO EACH JOB LIST THE TRAINING YOU WOULD NEED. YOU CAN FIND THE ANSWERS IN THIS BOOK.

JOB

TRAINING

2. LIST SIX AGRI-BUSINESS AND NATURAL RESOURCES JOBS YOU DID NOT KNOW ABOUT.

3. AGRI-BUSINESS AND NATURAL RESOURCES JOBS ARE POSSIBLE WITH TRAINING WHICH MIGHT INCLUDE:

<u>CHECK ONE</u> →	YES	NO	<u>CHECK ONE</u> →	YES	NO
HIGH SCHOOL DIPLOMA			LAND-GRANT UNIVERSITY DEGREE		
VOCATIONAL SCHOOL DIPLOMA			EVENING AND EXTENSION COURSES		
JUNIOR COLLEGE DEGREE			ON THE JOB TRAINING		
4 YEAR COLLEGE DEGREE			APPRENTICESHIP TRAINING		
GRADUATE DEGREE			AGRICULTURAL COLLEGE DEGREE		
VETERINARIAN'S DEGREE			SPECIALIZED TRAINING		

4. CAREER OPPORTUNITIES IN AGRI-BUSINESS AND NATURAL RESOURCES CAREERS ARE POSSIBLE IN:

<u>CHECK ONE</u> →	YES	NO	<u>CHECK ONE</u> →	YES	NO
FARMS			MINES		
FORESTS			RESEARCH		
GOVERNMENT AGENCIES			OCEANOGRAPHY		
PRIVATE INDUSTRY			OIL COMPANIES		
LAND-GRANT UNIVERSITIES & COLLEGES			HORTICULTURE		

5. ALL CAREERS IN AGRI-BUSINESS AND NATURAL RESOURCES ARE WORKING TOWARD GETTING A PRODUCT FROM THE EARTH OR THE SEA. CHECK ONE YES NO

6. HOW AND WHERE TO GET THE PRODUCT AS WELL AS THE SAFETY REQUIREMENTS NEEDED ARE IMPORTANT PHASES OF AGRI-BUSINESS AND NATURAL RESOURCES WORK. _____

7. THERE ARE JOB OPPORTUNITIES FOR A WIDE RANGE OF ABILITIES, MEN AND WOMEN, YOUNG AND MATURE, IN AGRI-BUSINESS AND NATURAL RESOURCES. _____

8. JOBS IN AGRI-BUSINESS AND NATURAL RESOURCES MAY BE INDOORS AND OUTDOORS, IN ALL KINDS OF WEATHER, MAY BE SEASONAL AND REQUIRE LONG HOURS. _____

9. WITH MODERN FARM MACHINERY IT IS POSSIBLE TO PRODUCE WHEAT, CORN AND DAIRY PRODUCTS WITH GREAT EFFICIENCY. _____

10. OWNERS OR DIRECTORS OF AGRI-BUSINESS AND NATURAL RESOURCES CAREERS NEED SKILLS IN BUSINESS, THOROUGH UNDERSTANDING OF THE PARTICULAR INDUSTRY AND LEADERSHIP ABILITY. _____

OTHER TITLES AVAILABLE - KING FEATURES CAREER EDUCATIONAL SERIES
E-1 HEALTH E-2 ENVIRONMENTAL E-3 COMMUNICATIONS E-4 TRANSPORTATION
E-5 CONSTRUCTION E-6 CONSUMER AND HOMEMAKING E-7 MANUFACTURING
E-8 HOSPITALITY AND RECREATION E-9 MARKETING AND DISTRIBUTION E-10
BUSINESS AND OFFICE E-11 PUBLIC SERVICE E-12 PERSONAL SERVICE E-13
MARINE SCIENCE E-14 FINE ARTS AND HUMANITIES E-15 AGRI-BUSINESS AND
NATURAL RESOURCES

KING Features 235 EAST 45 ST. - NEW YORK, N.Y. 10017



HEY, KIDS-

DISCUSSION QUESTIONS!

DIRECTIONS:

CONSIDER AND DISCUSS THE FOLLOWING QUESTIONS

1. WHAT PLANTS OR FLOWERS HAVE YOU ATTEMPTED TO GROW? DID YOU SUCCEED OR FAIL? WHY?
2. WHAT ANIMALS HAVE YOU CARED FOR AS PETS OR RAISED FROM BIRTH? WHAT PROBLEMS AND RESPONSIBILITIES HAVE YOU HAD TO ASSUME TO PROVIDE PROPER CARE?
3. WHAT NATURAL RESOURCES WERE NEEDED TO PROVIDE YOU WITH THE THINGS YOU AND YOUR FAMILY HAVE IN YOUR HOME?
4. WHAT MACHINES, EQUIPMENT HAVE YOU SEEN IN USE OR DO YOU USE IN SOME WAY ON A NATURAL RESOURCE.
5. WHAT AGRI-BUSINESS AND NATURAL RESOURCES CAREERS WOULD YOU CHOOSE TO DO?

SOMETIMES
WHEN YOU DRILL AN
OIL WELL, THE OIL COMES
OUT OF THE GROUND
FASTER THAN
YOU EXPECT...

ARF ARF!

I AM A PETROLEUM
GEOLOGIST. I TELL
POPEYE, WHERE TO
DRILL FOR OIL
AND NATURAL GAS.

I AM A
PETROLEUM
ENGINEER.

